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RETAILER - WHOLESALER - MANUFACTURER

MARCH 6, 1948

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In 'Carbrital' Capsules the rapid, but relatively brief, hypnotic action of soluble pentobarbitone is combined with the prolonged sedative effect of carbromal, and in insomnia 'Carbrital' produces slumber simulating natural and undisturbed sleep of adequate depth and duration, and patients awaken refreshed and alert.

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			M.R.P. inc. Purchase Tax Each
Bottles of	10	Capsules	4/3½
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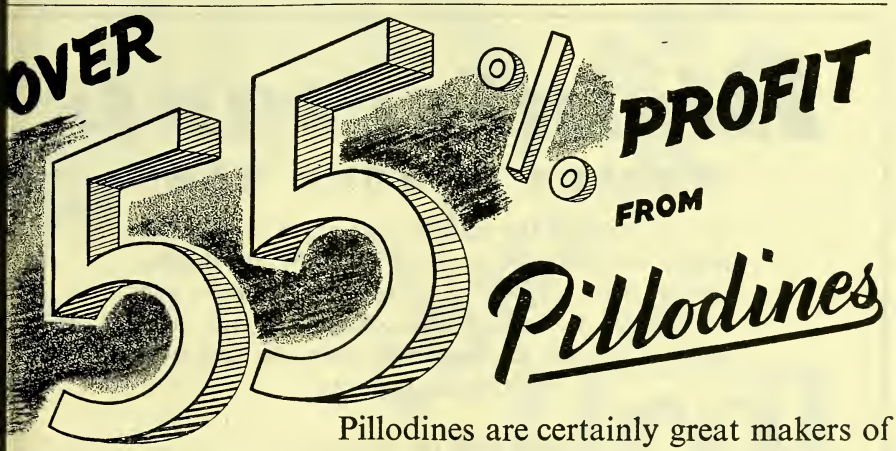

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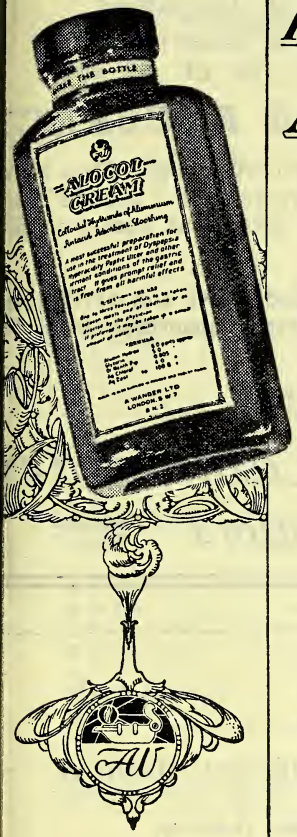

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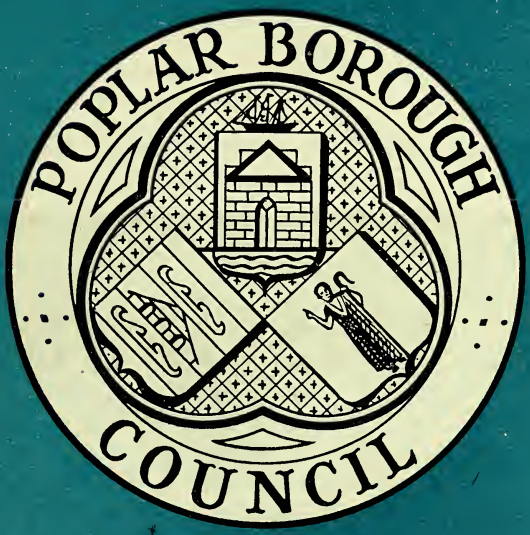

Poplar

In place of armorial bearings the Borough Council has adopted the seal which was designed at the establishment of the old Poplar Board of Works in 1855. This comprises the seals of the three parishes of All Saints (Poplar), Bromley-St. Leonard, and St. Mary's Stratford-le-Bow.

The wooden pillars in the interior of St. Matias's Church are believed to be, with one exception, the masts of ships belonging to the Spanish Armada.

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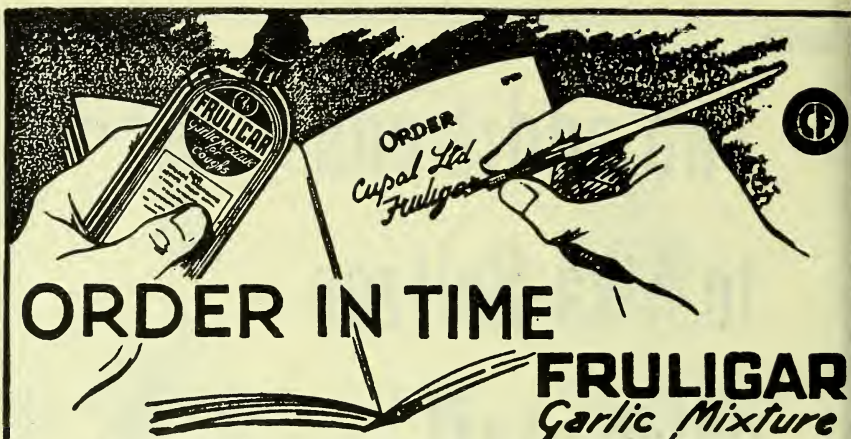

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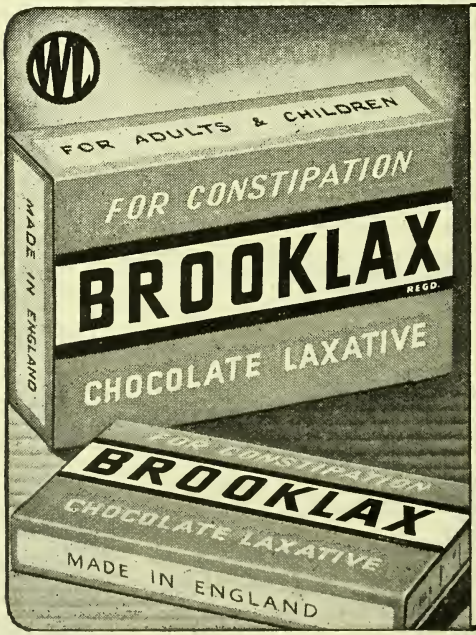

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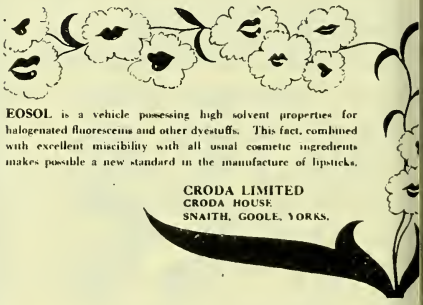

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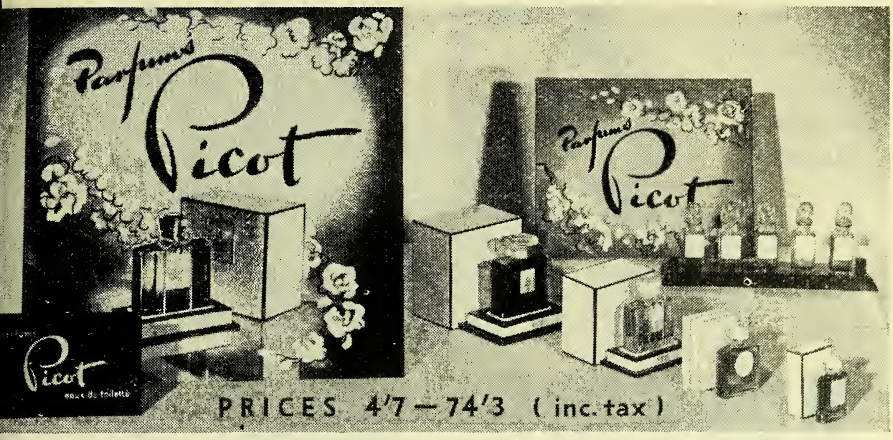

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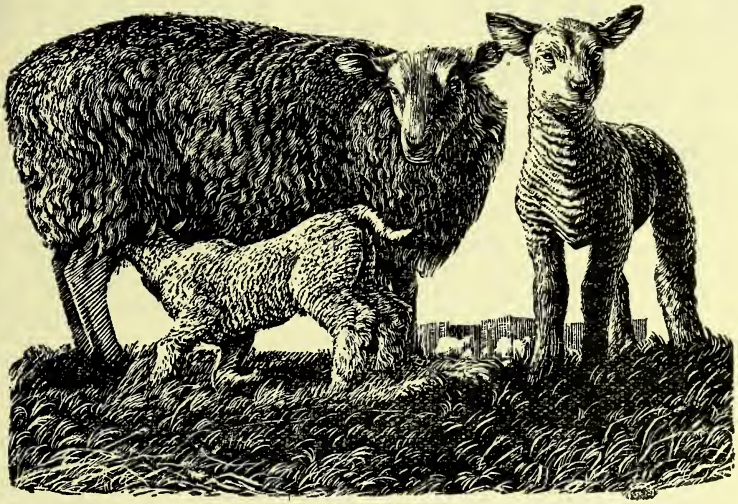

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CORAMINE, the original brand of *Nikethamide B.P.*, will in future be sold in Ampoules of a larger standard size. The new ampoules will contain 2 c.cm. of CORAMINE, but will cost no more than the original ampoules of 1.7 c.cm. which will still be available at a proportionate reduction in price, as will ampoules of 5 c.cm.

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	Old Price	New Price
Box of 5 x 1.7 c.cm. ampoules	4/-	**3/6**
Box of 20 x 1.7 c.cm. ampoules	12/-	**11/6**
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Box of 3 x 5 c.cm. ampoules	5/6	**4/9**
Box of 12 x 5 c.cm. ampoules	19/-	**16/6**

The above prices were effective from 2nd February. They are subject to the usual discounts and are exempt from purchase tax.

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MARCH 6, 1948

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No. 3550 Volume CXLIX

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NEWS OF THE WEEK

China Trade Mission Report. — The port of the United Kingdom Trade Mis-on to China, 1946, has been published by M. Stationery Office, price 5s.

D.D. Authorities Withdrawn. — The ome Secretary has withdrawn from James unningham, M.B., B.Ch., whose regis-red address is Abbey Street, Ballyhaunis, . Mayo, the authorities granted him under e Dangerous Drugs Regulations.

Key Industry Duty Exemption.—The reasury has made an Order exempting onochloracetic acid from Key Industry uty for the period beginning March 3 and nding August 19. The Order is published s S.I., 1948, No. 390.

DDT Against Tsetse.—Spraying, during e past two years, by means of DDT grenades," of the areas of Zululand most eavily infested with tsetse fly, is regarded s promising "almost complete control" of e pest.

Leprosy Research Unit. — Dr. John owe (formerly professor of tropical medi-ine, Calcutta University) recently left England for Nigeria, where he is to take charge of a research unit of the British Empire Leprosy Relief Association. The unit is to study the effect on leprosy of the sulphone compounds.

New Fine Chemicals Group.—The formation of a group of the Society of Chemical Industry for discussing the problems concerned with the production of fine and medicinal chemicals, etc., was approved at a meeting of the Society held on March 2. An *ad hoc* committee under the chairmanship of Sir Jack Drummond, F.R.S., was appointed to define the terms of reference of the Group and to decide on the name to be adopted.

Invoices and Price Control.—At a meeting of chairmen of local Price-Regulation Committees held in London on February 25, it was decided that more drastic action should be taken against traders who failed to furnish or obtain invoices for goods supplied. [Under the Price-controlled Goods (Invoices) Order, 1943 (S.R. & O., 1943, No. 604) a trader selling price-controlled goods to another trader is required

to give a proper invoice within seven days of delivery; a trader who does not receive an invoice for goods delivered is required to demand it in writing and to report the matter to the local Price Regulation Committee.]

Price Standstill Order.—The following figures, laid down by the Miscellaneous Goods (Maximum Prices) Order, 1948 (S.I., 1948, No. 348), should be added to the table published on February 28 (p. 273):—Photographic cameras, enlargers and accessories as defined in column 1:—Column 2, 100 per cent.; column 3 (a), 10 per cent.; column 3 (b), 55 per cent.; column 4, 5 per per cent.; column 5, 50 per cent. From March 15, when the price standstill Order comes into effect, Orders previously controlling the prices of certain toilet preparations and fancy goods are to be cancelled. The revoking Order (S.I., 1948, No. 350) applies to S.R. & O., 1942, No. 2527, S.R. & O., 1943, No. 724, and S.R. & O., 1947, No. 1577.

Registered Pharmacists' Union. — At the second annual meeting of the Registered Pharmacists' Union, held in London on February 26, Mr. R. G. Collins (president), who was in the chair, referred to the late Dr. R. Clitherow and described how difficulties caused by his tragic death had been overcome by the Union. Mr. G. H. Armitage, who was unanimously re-elected *General Secretary,* gave an account of meetings he had attended at the Ministry of Health to discuss the establishment of a Whitley Council for pharmacy. The case for representation on the Council of pharmacists employed in retail businesses had been put forward by Mr. Armitage and by the representative of the Union of Shop Distributive and Allied Workers; they had claimed that the 9,000-10,000 pharmacists in the employ of contractors would be responsible for the bulk of National Health Service dispensing. The claim, said Mr. Armitage, had been opposed by representatives of the Guild of Public Pharmacists, the Association of Scientific Workers and the Confederation of Health Service Employees. The chairman of the meeting at the Ministry of Health had then pointed out that the interests of the retail employee pharmacist would no doubt be safeguarded by a fair-wages clause in any contract between an Executive Council and an employer pharmacist. After Mr. Armitage's report it was decided that a deputation from the R.P.U. should approach the Minister of Health to press the claims of employees.

LOCAL NEWS

Visit to Laboratories.—A party of pharmacists from the West Ham Branch of the Pharmaceutical Society visited Glaxo Laboratories, Ltd., Greenford, on February 19.

Margate N.H.S. Discussion.—At a meeting of the Isle of Thanet Branch of the Pharmaceutical Society held at Margate on February 23, Mr. F. W. Adams, B.Sc., Ph.C. (deputy secretary of the Society), discussed the ways in which pharmacy would be affected by the National Health Service.

Plymouth Antihistaminics Lecture.—Mr. A. R. G. Chamings (Ciba Laboratories, Ltd.) gave a lecture on "Antihistaminics and Allergy" at a meeting of the Plymouth Branch of the Pharmaceutical Society on February 24. Mr. Victor Smith (pharmacy department, Plymouth Technical College) proposed a vote of thanks, Mr. C. A. Park seconding.

Therapeutics Lecture at Dundee. — A lecture on recent advances in therapeutics was given to the Dundee and East and Central Scottish Branch of the Pharmaceutical Society on February 19 by Mr. D. G. Ardley (May & Baker, Ltd.). Mr. A. R. Lowson was in the chair. Mr. Ardley dealt with recent work on the sulphonamides, penicillin, stilbœstrol, gold, BAL, and folic acid.

Hendon Dance. — At the first social event organised by the Hendon and Edgware Branch of the Pharmaceutical Society —a dance held at Hendon on February 19 —some 150 guests, including Mr. F. W. Adams (deputy secretary of the Society) and the mayor and mayoress of Hendon, were welcomed by Mr. G. H. Hankinson (chairman). More than £10 was raised for the Society's Benevolent Fund.

Shops in Housing Estates.—Wolverhampton Branch of the Pharmaceutical Society sent a letter to the Council of the Society recently notifying a decision of the local town council that, in new housing estates, shops should be limited in a particular terrace to one of each kind. In one instance the chemist's shop was found to have been already taken by a co-operative society, and the Branch asked whether representations could be made in defence of the private pharmacist.

North-eastern Public Pharmacists.—Mr. J. Myers presided at a meeting of the North-eastern Branch of the Guild of Public Pharmacists held at Wakefield on February 21 when Mr. A. N. Stephenson

eported on a recent meeting of the Guild's Council. It was announced with regret hat Miss D. Bellamy, who had been secreary of the Branch since its foundation in 942, had moved to Sheffield. A discussion n pharmaceutical equipment for health entres was followed by a film show.

Positions Reversed.—The annual sales onference of Johnson & Sons, Manufacturng Chemists, Ltd., Hendon, London, .W.4, held recently, was followed by a heatre visit and dinner for directors, repesentatives and staff. At the dinner the irectors reduced themselves for the evenng to the rank of office boys, while a temorary board of directors, elected from unior executives, occupied the top table. peeches made by members of the temorary board proved unorthodox but enterining.

Manchester Golfing Society. — The nnual meeting of the Manchester Pharmaeutical Golfing Society was held on Febuary 25. Mr. F. C. Baines (captain) said etrol restrictions made it difficult to plan programme, but the secretary suggested hat special buses might be used. It was ecided to carry on as usual and, where ossible, to play two competitions on the ame day. Mr. S. D. Andrew was elected *reasurer*. Chemist golfers interested hould get in touch with Mr. W. E. Phillipon (secretary), 1 Ruthin Avenue, Alkringon, Manchester.

"Food Frauds" Lecture. — A lecture ntitled "Food Frauds" was given by Mr. D. J. I. Bagnall, F.R.I.C. (Hull City nalyst) at a meeting of the Hull Chemists' Association on February 20. There had een adulteration, said the speaker, since rading had first begun. Before 1820 anyone caught adulterating bread had been punished by being dragged through the city streets with the offending loaf tied round his neck. An Act of Parliament passed in 1875 had compelled local authorities to appoint public analysts and there had since been a steady improvement in the purity of food sold to the public.

IRISH NEWS

Dublin Theatre Performance. — The Pharmaceutical Chemists' Drama Society gave a repeat performance of the comedy "Spring Meeting" at the Gate Theatre, Dublin, on February 22 (see *C. & D.*, February 14, p. 200). At the close, Mr. J. J. Tierney appealed for more members for the Society and for donations of money to help its activities.

Belfast Lecture.—A lecture on "Some Undesired Side-effects of Modern Drugs, and their Prevention" was given to members of the Pharmaceutical Society of Northern Ireland in Belfast on February 18 by Dr. R. Forgan (May & Baker, Ltd.). Mr. John McGregor was in the chair and a vote of thanks was proposed by Mr. P. R. W. Shinner (a member of Council).

Cork Annual Dance.—The annual dance of the Cork Guild of Pharmacy, held on February 7, was attended by some 330 guests. Messrs. T. Lyons and T. O'Hanlan acted as comperes, and members of the social committee present included Mr. J. J. O'Regan (chairman), Miss N. T. Murray (secretary), the Misses O'Donovan Fleming, Cotter, Murphy, Duggan, O'Mahony, Connor and O'Connor, Mr. C. J. O'Byrne (treasurer) and Messrs. Harrington, Curtis, Fleming, O'Neill and Callan.

ORANGE FREE STATE PHARMACISTS. Members of the Orange Free State Pharmaceutical Society photographed at Ladybrand on February 21. Many of those present travelled great distances to attend the meeting. The party was entertained to dinner by Mr. Horace Coaker (front row, extreme right). After the meeting, refreshments were provided by another member, Mr. Adelstein.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. HAROLD WILSON denied in the House of Commons on February 26 that enforcement officers of the Board of Trade had used tapped telephone lines to gain information leading to visits. He told MR. WILLIAM SHEPHERD that he had made the fullest inquiries into allegations that had appeared, but could find no evidence that there have been any such cases.

Controls to be Examined

MR. HAROLD WILSON announced on February 26 that he had appointed a special examiner to undertake a comprehensive review of Board of Trade controls. This did not imply, he said, any change in the Government's overall policy on controls, but he was anxious to take every opportunity of eliminating anomalies and modifying their form and method of operation so that they could secure all the results they wanted with less friction and delay. Mr. Laurence Merriam (managing director, B. X. Plastics, Ltd.), who was Plastics Controller from 1941 to 1945 had accepted the appointment; he would initiate reviews of individual controls, elicit suggestions from industry and commerce and make recommendations about the future operation of controls. His work would not cover consumer rationing or the control of retail prices. The Minister of Supply had made a similar arrangement by appointing Sir Frederick Bovenschen (formerly Permanent Under Secretary of State at the War Office) to review the controls of that department. The Trades Union Congress, Federation of British Industries, National Union of Manufacturers and Association of British Chambers of Commerce had promised co-operation. The organisations had set up an information committee to assist with advice and suggestions, and Mr. Wilson asked firms to put suggestions through that committee or their appropriate trade body.

Restrictions Imposed by Trade Bodies

The President of the Board of Trade (Mr. Harold Wilson) informed MR. W. N. WARBEY on February 26 that he could not anticipate the contents of the proposed Bill to control trusts and combines. Mr. Warbey had called for powers to be taken to "prevent wholesale and retail trade associations from acting in concert to debar co-operative societies from receiving and distributing specific types of commodities."

Wage Claims of Government Employees

MR. HUGH N. LINSTEAD asked the Financial Secretary to the Treasury on February 26 what instructions the official side of Whitley Councils had been given in applying the principles laid down in the White Paper on personal incomes to negotiations over claims for wage increases by Government employees. MR. GLENVIL HALL stressed that claims would be dealt with in accordance with the White Paper principles.

X-ray Films

The President of the Board of Trade was asked by MR. CHRISTOPHER YORK whether, when he placed an additional export quota on manufacturers in the autumn of 1947, he was aware of the shortage of supplies of *x*-ray films for British hospitals, and whether he would relax the export quota until British hospital requirements were fully met. MR. HAROLD WILSON said he was not aware that British hospitals were unable to get enough *x*-ray film, but would look into any case of difficulty. *X*-ray film was included in the general target for photographic sensitised materials.

Bottle Shortage and the Salvage Drive

Raising, on February 25, an adjournment debate on the need for salvage of paper for packing purposes and generally, MR. WILLIAM SHEPHERD said also that every week the Ministry of Food sent out 8,000 gross of 6-oz. medicine bottles. The bottles could be collected by the simple expedient of saying that, except for the first issue, the bottles must be returned before further supplies were given, but the Ministry refused to apply that sanction.

When MR. HAROLD WILSON (President of the Board of Trade) replied, he announced a new national salvage drive, with a money-prize competition between local authorities. He agreed that there was an urgent need for bottles. "We are so short of soda ash that we cannot go on making it available to the extent that we are doing now. I would like to see more bottles collected. There are difficulties in the case of pharmaceutical products in requiring bottles to be returned when fresh supplies are wanted. Where machinery is used it is often not possible to use second-hand bottles." He would take up with the Food Ministry Mr. Shepherd's points.

TOPICAL REFLECTIONS

Medical Research Council

The articles on the Medical Research Council and its Department of Biological Standards (pp. 280-84) will, I trust, be kept for reference by all your readers, even by those misguided people (if any there are) who do not usually store back numbers of the *C. & D.* A history of this Council has always been difficult to find, and for that reason your articles are the more valuable. As British subjects we may be justifiably proud of the fact that our National Institute for Medical Research has charge of so many international standards for biological products. The scientific interest of the details given on pp. 282-84 is considerable: a striking example is the information about replacement of standards. When the Medical Research Committee, as the Council was first named, was put under the direction of a Privy Council committee in 1919, some discussion took place as to the claims of the newly created Ministry of Health on its services. Both Dr. Christopher Addison (now Lord Addison) and the late Sir Walter Fletcher (then secretary of the Medical Research Committee) contended, from different points of view, that the Committee should not be too closely tied to any one Government department. The Privy Council being the only department with an Imperial range, the obvious course was to make that Council responsible for the work of the Committee. From a scientific standpoint the case for freedom in objects and methods of research is unanswerable; and in view of recent happenings it is fortunate that the Medical Research Council was incorporated under its existing charter. As you point out on p. 277, medical research has an important bearing on pharmaceutical research.

Problems in Recommendation

The statement from the Pharmaceutical Society printed on pp. 274-75 brings the past into close relation with the present. No fact in the long history of the Medicines Stamp Acts is, I believe, better established than that much of the spadework in securing exemptions for pharmacists was done by Editors of THE CHEMIST AND DRUGGIST. In 1887 you published Mr. E. N. Alpe's "Handy Book of Medicine Stamp Duty"; and the provisions of the relevant Acts were a feature of your *Diaries* till the stamping of medicines was abolished by the Pharmacy and Medicines Act of 1941. Occasionally you expanded the *Diary* information into a short treatise. I have selected a few "Terms" and "Ailments" from the Society's new statement for comparison with the same words in the treatises published by you for the years 1911 and 1938. The number of nouns and adjectives formerly regarded as not connoting recommendation but now interpreted in the contrary sense is large enough to make one wonder what has happened to our language in recent years. The contrast, though amusing from one point of view, is unsatisfactory from another.

Arbitrary Changes

Looking at the terms first, and using the old expressions "Dutiable" and "Non-dutiable," the word alterative was non-dutiable in 1911 and 1938; the same remark applies to anodyne, aperient, cardiac, cathartic, hepatic, laxative, pectoral, pulmonic, stomach(ic). All these are now claimed as constituting recommendation. Between 1911 and 1938 a few terms were transferred by the Board of Customs and Excise from the "non-dutiable" to the "dutiable" list. When following this lead the Pharmaceutical Society is in a strong position; but the creation of an enlarged list of words alleged to express recommendation is a different undertaking. That which was sanctioned by two successive Government departments till 1938 (and presumably till 1941) should be regarded with favour by a new authority in 1948. Turning to ailments, mention of the following conditions or accidents did not involve liability to duty in 1911 and 1938: abrasions, bites of insects, chafes, chapped hands, chapped lips, dandruff, decayed teeth (if that is equivalent to decay of the teeth), scurf, sunburn. They are now classed as within the scope of the expression "ailment, infirmity or injury affecting the human body." In your two lists referred to, the last-named condition is followed by the word tan. This phenomenon has not been classed by the Society as an "ailment, infirmity or injury affecting the human body"—yet; but the line between it and sunburn must sometimes be very difficult to draw. And have weather conditions, possible bases for recommendation, been overlooked? Further study of the published statement may bring other curiosities to light.

Xrayser

COMPANY NEWS

Glyn Samuel, Ltd. (P.C.).—Capital £2,000. To acquire the business of a chemist carried on at 6A Normandy Street, Alton. Helen T. L. Samuel and William G. Webb, M.P.S., directors.

G. E. Beall & Son, Ltd. (P.C.). — Capital £5,000. To carry on the business of chemists, druggists, etc. Ann B. Beall and John R. Herbert, directors. R.O.: 25 Sidney Street, Cambridge.

E. A. Proctor, Ltd. (P.C.).—Capital £4,000. To acquire the business of chemists and druggists carried on at 27 High Street, Rottingdean. Helena Proctor and Gladys H. Proctor, directors.

Ronald Lerys (England), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers, etc., of perfumes, essences and soaps, etc. A. E. Jones, director. R.O.: 11 Finsbury Square, London.

G. Hubball, Ltd. (P.C.).—Capital £3,000. To acquire the business of a chemist and druggist carried on at 76 Park Street, Walsall. Geoffrey Hubball, M.P.S., and Mary H. Hubball, directors.

James Hart (Chemists), Ltd. (P.C.).—Capital £4,000. To carry on the business of manufacturers of and dealers in galenicals, pharmaceuticals, etc. Arthur B. Baldwin, M.P.S., and Robert Lawrie, directors. R.O.: 130 Newport Street, Bolton.

W. John Williams & Co., Ltd. (P.C.).—Capital £1,000. To carry on business in chemicals, etc. First directors are to be appointed. Solicitors: Harris, Chetham & Co., 6 Stratford Place, London, W.1.

Compentrad Chemical Products & Supplies, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemical products, drugs, etc. First directors are not named. R.O.: 31 Throgmorton Street, London, E.C.2.

Joseph Bancroft & Son Co. (England), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of fine chemicals and chemical products, etc. Bancroft Clark and Stephen Clark, directors. R.O.: 19 Whiteladies Road, Bristol, 8.

Pharmaceutical Products Norgine, Ltd. (P.C.). Capital £100. To carry on the business of manufacturers of chemicals, pharmaceutical preparations, etc. First directors are not named. Solicitors: Herbert Oppenheimer & Co., London, E.C.2.

E. R. Goundry, Ltd. (P.C.).—Capital £2,500. To carry on the business of chemists, druggists, etc. Edward J. Nicolle, Dorothy P. Nicolle and Ernest Price, M.P.S., directors. R.O.: 158 City Road, Cardiff.

Elcho (Engineers), Ltd. (P.C.).—Capital £5,000. To carry on business of suppliers and constructors of chemical plant, etc. Ernest R. Davies and Raymond C. Taylor, directors. R.O.: 3 Kirkgate Buildings, Huddersfield.

George W. Law & Co., Ltd. (P.C.).—Capital £1,500. To carry on the business of manufacturers of chemicals, drugs, medicines, etc. Martha H. Law and Kathleen M. Clarke, directors. 26 Stamford Grove, Stalybridge.

Dentomint, Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of tooth paste, wholesale and retail chemists and druggists, etc. Ernest H. Blyth and Herbert J. Blyth, directors. R.O.: 14 Blenheim Terrace, London, N.W.8.

Lester Laboratories, Ltd. (P.C.). — Capital £100. To carry on the business of manufacturers of chemicals, drugs, medicines, etc. First directors are to be appointed. Solicitors: Buckeridge and Braune, 3 Clement's Inn, London, W.C.2.

Tenz, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicinal preparations, etc. First directors are to be appointed. R.O.: Amberley House, Norfolk Street, London, E.C.2.

R. V. Copeland, Ltd. (P.C.).—Capital £5,000. To carry on the business of chemists and druggists, chemical engineers, etc. Reginald V. Copeland, M.P.S., and Mrs. Ivy F. Copeland, directors. R.O.: Station Square, Petts Wood, Kent.

Reginald Loftus (Chemists), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing chemists, etc. Reginald Loftus, M.P.S., and Lily H. Bostock, directors. R.O.: 61 New Road, Southampton.

Lantigen Laboratories (England), Ltd. (P.C.).—Capital £10,000. To carry on the business of manufacturers, etc., of vaccines, sera and pharmaceutical preparations, etc. Arthur W. Uther, Nevile L. Manning and John K. Cutler, directors. R.O.: "Pinewood," College Road, Bagshot, Surrey.

Anglo-Turkish Medical Services, Ltd. (P.C.).—Capital £10,000. To export hospital, medical and other equipment to, and undertake schemes in connection with, the health services of Turkey. Sir Rhys Rhys-Williams, Bart., John C. Rodgers, and Robin Hutchins, directors. R.O.: Granite House, Cannon Street, London, E.C.4.

S. Guiterman & Co., Ltd.—Net profit for 1947, before providing for taxation, amounted to £41,787, against £43,068 in the previous year. The dividend is maintained at 12½ per cent. and a bonus of 7½ per cent. is recommended (1946, 2½ per cent.).

BUSINESS CHANGES

Ascotts Pharmacies, Ltd., Wembley, Middlesex, have acquired as from March 1 the business of J. R. Heywood, M.P.S., 97 High Street, Southend-on-Sea.

Bourjois, Ltd., announce that from March 12 all correspondence should be addressed to their new building, Bourjois House, Queens Way, Croydon. Telephone: Croydon 7131.

Mr. Derek Maton, Ph.C. (Glaxo Laboratories, Ltd.), has recently left by air for Rome to take up a post as production manager of the company's plant at Verona, Northern Italy.

Eli Lilly & Co., Ltd., are closing their premises at 2 Dean Street, London, W.1, on March 24. Future correspondence should be addressed to the company's headquarters at Basingstoke.

Universal Metal Products, Ltd., Langley Road, Pendleton, Salford, Lancs, have opened an office at Argyle House, 29 Euston Road, London, N.W.1 (Telephone: Terminus 6326) with Mr. J. Ellidge as manager.

LEGAL REPORTS

Pharmacy Act Fines. — Fines totalling £7, with £3 3s. costs, were imposed at the Wolverhampton stipendiary's court on February 20 on I. H. Brooks (Wolverhampton), Ltd., trading at 7 Tryserle Road, Bradmore, Wolvernampton, for selling a poison (a) not being authorised sellers of poisons, and (b) in a container not labelled in the prescribed manner.

Soap Points Offence.—Norman Barker, manager, Moorland Crescent, Tonacliffe, Lancs, was fined £20, with £4 4s. fee, at Rawtenstall recently for contravening the soap-rationing regulations. The town clerk said defendant's soap points represented an over-claim of 4,312 rations. Defendant had a large stock of soap, representing between two-thirds and three-quarters of this amount, and there would be readjustments.

Soft Drinks Without Licence.—At Prescot, Lancs, police court on February 13, James Peter Forrester, The Towers, Rainhill, was fined £80, with £21 costs, on six charges relating to the manufacture of soft drinks without licence and using saccharin tablets. One of the drinks, "No. 10 cocktail," was stated to contain water, 95.58 per cent.; total solids, 0.42 per cent.; phosphoric acid, 0.3 per cent.; chloroform, 0.4 per cent., and alcohol, 0.4 per cent.

Eire Court Dismisses Charge. — The Probation Act was applied at Daingean, Offaly, district court, on February 27, in a case in which Alphonsus J. Dolan, L.P.S.I., The Medical Hall, Daingean, was prosecuted by the Veterinary Council of Ireland for, as alleged, "unlawfully holding himself out, either directly or by implication, as practising or being prepared to practise Veterinary Medicine, contrary to Sec. 46 (1) of the Veterinary Surgeons Act, 1931, he not being a registered veterinary surgeon." The prosecution urged that the words "spectacular successes in the treatment of animals" were open to the meaning that Mr. Dolan was prepared to treat animals. Mr. Dolan said he meant that he stocked good-quality veterinary medicines. The justice observed: "The wording of this advertisement was unfortunate, but I agree that he was not conscious of offending or did not intend to deceive anyone." When it was pointed out that it would be a hardship for the defendant to have to pay Counsel's fees, the Justice allowed £5 5s. ordinary costs with £6 9s. expenses.

Elixir-of-life Powders.—At North London magistrates' court on February 24, Cyril George Richardson, 72 Windsor Road, Holloway, N.7, was summoned for unlawfully selling by retail "Elixir-of-life powders," consisting of or comprising a substance recommended as a medicine, the label of which did not disclose the appropriate constituents or ingredients; and for unlawfully selling under the same name a medicinal preparation to which a false trade description ("The only source of the youth vitamin G2") was applied. He pleaded guilty to both summonses. For the Pharmaceutical Society it was stated that a newspaper paragraph led an inspector to a stationers' shop where he saw a displayed advertisement relating to Elixir-of-life powders. He wrote to the advertiser for particulars and received in reply a letter from the defendant as follows:—

> Elixir-of-life powders are fifteen powders, price 2s. 6d., post free. You only take three powders per week for premature age. But for nerves or for tiredness, sleepiness, poor appetite, and bodily aches and pains you must take one tablet three times a day before meals with water or tea. The Elixir-of-life powder comes from India, where Professor Li Ching Yun discovered and used the herb. When he was still working to find some other herbs to go with this elixir herb he died in 1933, and I went on with his work and at last found the scientific combination, so that millions now living need never grow old. The Elixir-of-life powders are speedy in action. Take one tonight and the next day you feel wonderful. My age is forty and I only look thirty-three years of age. I was told the other day that 2s. 6d. is too little to charge and I should charge 5s., but, no! I want all people to have the powder. The poor people as well as the others who have a lot of money.

The inspector wrote for a sample of the powders, which he received on November 30, 1947, enclosed in a piece of brown paper and further enclosed in a sealed envelope. The latter had a yellow label with a description of the powders and a formula which contained no details of the quantities of each ingredient. The defendant, when visited, was occupying a bed-sitting room in a private house; on his own admission, he made up the powders in the room. The powders had been analysed and found to contain 50 per cent. powdered arrowroot starch and 50 per cent. powdered vegetable matter from plants such as *Hydrocotyle Asiatica minor,* a substance used as a cure-all by many uncivilised or semi-civilised peoples, and believed harmless. Defendant was fined £5, with £2 2s. costs, on the first summons and £2 on the second.

BIRTHS

HAPPOLD.—On February 27, Bubbles, née Goldney, the wife of Harold Charles Happold, M.P.S., Arras, Honeyden Road, North Cray, Sidcup, Kent, of twins (David and Pamela).

McKINNELL.—At 230 High Street, Kirkcaldy, on February 22, Eve, the wife of William McKinnell, M.P.S., Myrtle Cottage, Fishlake, nr. Doncaster, of a son.

DEATHS

BATLEY.—On February 11, Mr. Joseph Howard Batley, M.P.S., 354 Manchester Road, Bradford, Yorks, aged sixty-five. Mr. Batley was in business at Manchester Road for twenty-eight years prior to his retirement in 1946.

CAMERON.—In June, 1947, Mr. William Alexander James Cameron, M.P.S., P.O. Box 2933, Johannesburg, South Africa. Mr. Cameron qualified in 1902.

COOPER.—On February 2, Mr. George Dodd Cooper, M.P.S., 5 St. Mary's Road, Woodside, Wimbledon, London, S.W.19, aged eighty-seven.

CROFTS.—At Hill End Hospital, St. Albans, Herts, on February 9, Mr. Eric Lionel Stanley Crofts, M.P.S., Plas Mynach Lodge, Llanabar Road, Barmouth, North Wales, aged thirty-two.

DUNN.—At 14 Park Crescent, Liberton, Edinburgh, on February 3, Mrs. Alice Ruth Harrison Dunn, wife of Mr. Robert E. Dunn, M.P.S., Liberton Pharmacy, Lasswade Road, Edinburgh, 9.

GALE.—On January 6, Mr. Richard Percy Gale, M.P.S., 52 Gardiner Street, Durban, Natal, South Africa. Mr. Gale qualified in 1891.

GREATREX.—On February 7, Mr. Arthur John Greatrex, M.P.S., 176 Long Lane, Finchley, London, N.3. Mr. Greatrex qualified in 1914.

JACKSON.—At the Avenue Hotel, Harrogate, on February 22, Mr. Herbert Richardson Jackson, Ph.C., aged seventy-six. Mr. Jackson, who qualified in 1892, and passed the Pharmaceutical Chemist examination the following year, was the principal of the oldest pharmacy in Bradford: Harrison, Parkinson & Co., Sunbridge Road (the business began in 1792 as Maud and Wilson). He entered the business in 1912, after qualifying as a chemist and druggist in 1892. For some years the pharmacy has been managed by his nephew, Mr. S. J. Kirby.

KENNEDY.—On February 16, Mr. Arthur George Kennedy, M.P.S., 2 Park Road, Liverpool, aged forty-one.

MACKENZIE.—Recently, Mrs. Margaret Mackintosh MacKenzie, M.P.S., Birnam Hotel, Birnam-by-Dunkeld, Perths. Miss MacKenzie qualified in 1921.

MAXWELL.—At Kelso Cottage Hospital, on January 17, Mrs. Fanny Jane Hill, wife of Mr. John Maxwell, retired pharmacist, Springfield, Kelso.

NICOL.—On February 18, Mr. William Nicol, M.P.S., 6 Mingarry Street, Glasgow, N.W., aged sixty-five.

PEARMAIN.—On February 25, after a long illness, Mr. George Pearmain, a director of McKesson & Robbins, Ltd., Eagle House, 90 Cannon Street, London, E.C.4, aged sixty-two. Mr. Pearmain had been associated with Messrs. McKesson & Robbins for seventeen years.

PYKE.—In London, on February 23, Mr. Geoffrey Pyke, inventor and educationist. Mr. Pyke was known to many pharmacists as the founder of Industrial Aid to Spain, under which they made, filled, sterilised and dispatched ampoules of adrenaline for the Republican forces during the Spanish Civil War, 1936-39. Woolf Goldberg, Ph.C., writes:—I first met Geoffrey Pyke in 1937 in connection with the pharmaceutical side of his Industrial Aid to Spain scheme during the Spanish Civil War. The ingenuity of the scheme was typical of the man. Those of us who had the pleasure of working with him learnt to respect him not only for his dynamic personality but also for his untiring efforts, in spite of constant ill-health, a result of a daring escape while a prisoner in the 1914-18 war. In the 1939-45 war he was at Combined Operations H.Q., and was the author of that most ingenious conception of mid-Atlantic ice-float aerodromes. Everyone was impressed by his keen, active mind, his sense of humour and his unlimited energy.

QUIBELL.—At 929 Finchley Road, London, N.W.11, on February 11, after a long illness, Mrs. Elizabeth Maud Quibell, widow of the late Mr. John Quibell, M.P.S.

SIMPSON.—At his home, 37 Starisbrick Road, Levenshulme, Manchester, on February 17, Mr. John Smorfitt Simpson, founder of Simpson's (Longsight), Ltd., chemists, Stockport Road, Manchester.

WILLS

Mr. D. L. Rees, M.P.S., 54 New Road, Skewen, Glams, left £5,137, with net personalty £4,066.

Mr. J. L. Cadoux, M.P.S., High Street, Ruislip, Middlesex, left £4,736, with net personalty £4,481.

Mr. G. Ogg, 23 The Rise, Edgware, Middlesex, formerly of Newmarket Street, Ayr, left £8,368, with net personalty £8,294.

Mr. E. Brownbill, M.P.S., Alvaston, Keynshambury Road, Cheltenham, left £2,834, with net personalty £2,779.

Mr. B. Harris, M.P.S., 6 Market Square, Millom, Cumberland, formerly of Barrow, left £2,716, with net personalty £1,514.

Mr. T. S. Waymouth, Sea Tor, Marldon Road, Shiphay, Torquay, Devons, retired pharmacist, left £3,255, with net personalty £3,207.

Mr. W. T. Archer, M.P.S., 89 Cherryhinton Road, Cambridge, Cambs, left £8,464, with net personalty £8,065.

Mr. Gwilym H. Lloyd, M.P.S., Pencraig, Holloway, Haverfordwest, formerly of Solva, Pembs, left £4,081, with net personalty £3,981.

Mr. Gerald H. Lockyer, M.P.S., 54 Manor Court, Leigham Avenue, London, S.W.16, left £4,459, with net personalty £4,418.

Mr. Herbert William Larcombe, M.P.S., 23 Oakhill Road, Horsham, Sussex, left £2,896, with net personalty £2,610.

Mr. William Green, M.P.S., 46 Edward Street, Westbury, Wilts, left £2,462, with net personalty £2,415.

Mr. Richard Samuel Lacey, Norman Avenue, Abingdon, Berks, retired pharmacist, left £9,674, with net personalty £9,628.

Mr. Henry Marshall, M.P.S., 12 The Dunterne, Alnwick, Northumberland, left £4,256, with net personalty £4,167.

Mr. A. A. Bone, M.P.S., 1 Church Row, Chislehurst, Kent, left £8,748, with net personalty £8,238.

Mr. A. J. Franklin, M.P.S., 11 Victoria Road, Brighton (Franklin & Co. (Brighton), Ltd.), left £5,479, with net personalty £5,226.

Mr. Frederick Arthur Stooke, Ph.C., 62 Church Street, Harwich, Essex, left £11,439, with net personalty £11,125. He left £50 to the Benevolent Fund of the Pharmaceutical Society.

Mr. J. Prince, Lynton, Coast Road, Rhyl, Flint, Flints, retired pharmacist, formerly of The Pharmacy, Connahs Quay, Flint, left £10,302, with net personalty £10,205.

Mr. Arthur George Surfleet, Ph.C., 156 Sowerby Road, Bridlington, Yorks, formerly of Hull, a wholesale chemist, and formerly chairman of Lofthouse & Saltmer, Ltd., Hull, left £11,820, with net personalty £11,562.

Mr. Sidney Herbert Daukes, O.B.E., M.D., 11 Brooklyn Avenue, West Worthing, Sussex, curator of the Wellcome Museum of Tropical Medicine and Hygiene, 1919-1926, and director of the Wellcome Museum of Medical Science, 1926-1945, left £8,064, with net personalty £6,491.

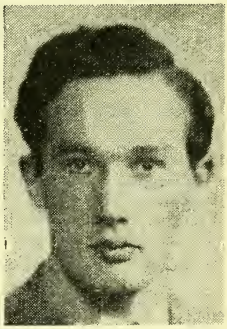
Mr. C. C. Looker, Ardmay Hotel, Avenue Elmera, Surbiton, Surrey, a director and general manager of Crookes Laboratories, Ltd., Park Royal, London, N.W.10, formerly with Genatosan, Ltd., Loughborough, Leics, left £11,505, with net personalty £11,389.

Mr. John Parker Ellerington, M.P.S., 90 Connaught Road, Cardiff, formerly of 1 Cranbourn Street, London, W.C.2, formerly senior partner in Frizell & Co., and chairman of the Western (London) Pharmacists' Association, 1925-26, left £41,378, with net personalty £40,470.

Mr. W. J. Uglow Woolcock, C.M.G., C.B.E., Ph.C., 18 Elmwood, Welwyn Garden City, Herts, formerly of 28 Pall Mall, London, S.W.1 (secretary and registrar of the Pharmaceutical Society 1913-18, and president of the Society of Chemical Industry 1924-26), left £8,078, with net personalty £7,897.

PERSONALITIES

Dr. Derek Harold Richard Barton has been awarded the Harrison Memorial Prize for 1947. Dr. Barton, who graduated at the Imperial College of Science and Technology, London, with special distinction in organic chemistry in 1940, is now an I.C.I. research Fellow in the department of inorganic and physical chemistry at the College. His published work includes studies on the use of catalysts in the production of vinyl chloride and on molecular rotational differences in tri-terpenes and steroids. The prize, which is awarded annually by a committee, of which the president of the Pharmaceutical Society is a member, is to be presented at the annual meeting of the Chemical Society, which is to be held in London on March 18.



Mr. K. E. Penn has been appointed general secretary of the National Association of Soft Drinks Manufacturers.

Alderman C. A. Critchley, J.P., Ph.C., has been re-elected president of the Blackburn Guardian Society for the Protection of Trade.

Mr. T. B. Clarkson, M.P.S. (north-western region territorial manager for Boots, Ltd.), has been re-elected a member of the committee of the North-western Branch of the British Display Association.

TRADE NOTES

Through Wholesalers.—Koray, Ltd., 25 Hanover Square, London, W.1, state that requests for their Elite display container in Perspex for Koray tablets should be sent through trade wholesalers.

Birmingham Trades Exhibition. — The thirty-eighth National Trades Exhibition, now being held under the patronage of Birmingham Hospital Saturday Fund at the Bingley Hall, Birmingham, remains open until April 3.

Increased Supplies.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, state that authority has been obtained for the manufacture of further limited supplies of Allenburys diet, which will be distributed in the normal way.

Bonuses During March.—Evans Medical Supplies, Ltd., Liverpool and London, announce that, during March, a bonus of six units will be given on orders for six doz. Evans Blue Cross baby powder and on six doz. 4-oz. Evans fruit saline.

New Standard Size. — Ciba Laboratories, Ltd., Horsham, Sussex, announce the introduction of Coramine (the original brand of nikethamide, B.P.) in ampoules of 2 c.c. (instead of 1.7 c.c. as formerly). Prices, effective from February 2, are given elsewhere in this issue.

Staff Pension Scheme. — An arrangement has been entered into by A. Elder Reed & Co., Ltd., chemical merchants and drug importers, 103 Battersea High Street, London, S.W.11, providing both life assurance and pensions for the company's employees. The company and the employees contribute to a fund administered by trustees.

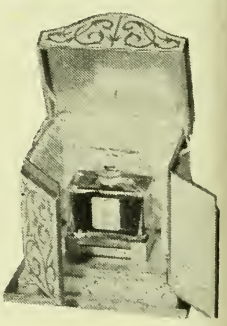
Sole Distributors.—Pink Ribbon soapless shampoo is now being distributed throughout England, Wales and Northern Ireland, solely by Sale Tilney (Marketing), Ltd., 3 Lloyds Avenue, London, E.C.3. The distributors are offering in their national Press advertisements a £250 prize for naming a hair style. This free entry competition is to be judged by Frances Day and Barry Woolf.

Cartons at Reduced Prices.—Boxfoldia, Ltd., Bournbrook, Birmingham, announce that orders booked before, but not delivered by, February 18, are being invoiced at 5 per cent. less than contract prices. Quotations outstanding at that date will be accepted, subject to the material still being available, at 5 per cent. less than the figure quoted; subsequent quotations will be estimated at a basis 5 per cent. less than now.

Display Outer.—Don S. Momand, Ltd., 57 Albany Street, London, N.W.1, have made available a display outer, as illustrated, for Alka-Seltzer, which, they state, is now being issued in a chemically stable effervescent tablet. A showcard is enclosed in parcels containing quantities adequate for displays.

Repackaged.—Ipsolin rheumatic balm, manufactured by Manston Medical Products, Ltd., Manchester, has been repackaged in cartons designed by A. H. Knowles, Ltd., Manchester. The colour scheme is in brown, cream, red.

Luxury Perfume. — A *modèle de luxe,* issued by Picot, Ltd., 191 Hammersmith Road, London, W.6, is described as a "crystal cut-glass hand-polished flacon nestling in white quilted satin in an exquisite casket; the *décor* is elegant — white, superimposed with gold filigree design." At present the pack is available in export markets only; later it will be released in Britain.



Travel Facilities to Utrecht Fair.—Special travelling facilities are being arranged for visitors to the Utrecht (Holland) International Trade Fair, April 6-15, by Mr. S. H. Hartog, 9 Radnor Lodge, Sussex Place, London, W.2. There will be two departures:—From Liverpool Street on April 5, returning April 10, and from

Liverpool Street on April 10, returning April 15. The total costs of each tour is £20. Further details may be obtained from Mr. Hartog.

New Products.—Roche Products, Ltd., Welwyn Garden City, have introduced Ferro-Redoxon granules in bottles of 100 and 500 (each granule containing ferrous iron, 10 mgm., and ascorbic acid, 12.5 mgm.) for administration in a variety of anæmic states, and calcium-D-Redoxon tablets in airtight tins of 100 (each tablet containing dibasic calcium phosphate, 1 gm., vitamin C, 17 mgm., and vitamin D, 300 international units) for use in a number of deficiency conditions, especially during pregnancy and in old age.

Exhibition and Fair.—A Golden Year exhibition and Meritor fair, opened by S. Maw, Son & Sons, Ltd., at the London Exhibition Centre, Sydney Place, Leicester Square, on March 2, will remain open until Saturday, March 13, from 10 a.m. to 10 p.m. daily. The exhibition includes a preshowing of the 1948 Meritor tooth-brush packaging; special displays and demonstrations of ray therapy apparatus, electric heating pads and blankets, electric sterilisers, and fluorescent space lighting.

Improved Vaccine Bottle.—A new type of multiple-injection vaccine bottle which is claimed to be a "close approach to the ideal," is available from Britton, Malcolm & Co., Ltd., 38 Southwark Bridge Road, London, S.E.1. No wiring is necessary, and there is no distortion or bursting of the rubber cap, even up to pressures of 50 lb. per sq. in. The india-rubber vaccine cap is protected by a plastic screw cap and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilisation. The makers offer to send samples of the bottles, prices and details on request.

Improved Soapless Tablet. — British Solvates, Ltd., Wharf Road, Ponders End, Middlesex, announce the issue of an improved form of Novo-Sope household washing tablet. The new tablet is free from the "sludge" which was an unpleasant feature of its predecessor and is capable of being used in hot water. It is further claimed to last longer, not to soften or break up, and to have equal lathering properties to the former round tablet. Appearance has also been improved and the new oblong shape of the tablet gives it a greater resemblance to ordinary soap. Delivery to the trade (at unchanged prices) commences during the first week in March. It is understood that the base consists largely or partly of lanolin and that the effect of use of the tablet on the hands is therefore not deleterious. Up to 50 per cent. of the tablets produced is for the time being going for export.

Proprietary Articles Trade Association

Alterations to Protected List (Part 2).—*Pompeian Beauty Preparations* (distributors, *Prichard & Constance (Mfg.), Ltd.*), face powder, 5s. 5d. doz., tax 125 per cent., inclusive retail price 1s. 3d.; 10s. doz., tax 125 per cent., i.r.p. 2s. 3½d.; 18s. 4d. doz., tax 125 per cent., i.r.p. 4s. 6d.; vanishing cream, cold cream, skin freshener, 5s. 5d. doz., tax 125 per cent., i.r.p. 1s. 3d. Terms thirty days. All items strictly net; no settlement terms allowed.

Prichard & Constance (Mfg.), Ltd., Amami shampoo, No's 1, 5 and 12, 2s. 6d. doz., tax 50 per cent., i.r.p. 5d.; No's 1 and 5, 5s. doz., tax 50 per cent., i.r.p. 10d.; special henna application and No. 7 camomile shampoo, 5s. doz., tax 4s. 4½d. doz., i.r.p. 1s.; No. 6 auburn application, 10s. doz., tax 8s. 9d. doz., i.r.p. 2s.; waveset (green or spiritous), 5s. 5d. doz., tax 125 per cent., i.r.p. 1s. 3d.; 12s. doz., tax 125 per cent., i.r.p. 2s. 9d.; toning brilliantine, 5s. 5d. doz., tax 125 per cent., i.r.p. 1s. 3d.; bath salts, 5s. 5d. doz., tax 125 per cent., i.r.p. 1s. 3d.; manicure nail polish, hand jelly, nail-polish remover, 6s. 6d. doz., tax 125 per cent., i.r.p. 1s. 6d.; cuticle remover, cuticle cream, 5s. 5d. doz., tax 125 per cent., i.r.p. 1s. 3d.; nail-polishing stone, 4s. 1d. doz., tax 125 per cent., i.r.p. 1s. Terms thirty days. All prices net.

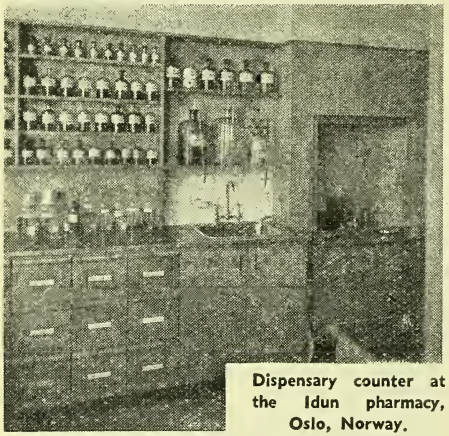
TRADE LITERATURE

The first number of a "News letter about brushes from Addis, Hertford," published under the title "Words of Wisdom" by Addis, Ltd., includes a reply-paid order card for Wisdom tooth-brushes and announces the return of the Wisdom Extra to its pre-war window-carton pack. — Aerosols, Ltd., 65 Old Brompton Road, London, S.W.7, have issued a booklet on the M.A.3 Aerolyser, an electrically-operated, self-contained inhaler, operating without gas cylinders and weighing only 15 lb., which is being widely used for administration of penicillin in infections of the upper respiratory tract. — Tubes, Foil & Capsules (Export), Ltd., The White House, Stoke Park, Slough, Bucks, have produced a twelve-page brochure in colour describing their "tin-top" tube which is claimed to be "a revolutionising development in the tube industry."—A ten-page octavo veterinary price list is available from the Crookes Laboratories, Ltd., Park Royal, London, N.W.10.

PHARMACY IN SCANDINAVIA

Summary of an address by Mr. I. Michaels, Ph.D., B.Sc., Ph.C., at an Evening Meeting of the Pharmaceutical Society recently.

THE practice of pharmacy in Scandinavian countries is closely controlled by the State, and pharmacies may be established only with Government sanction. Ownership of a pharmacy is a personal privilege granted by Royal Charter (in Finland by the Home Secretary) and is not given to partnerships or other business arrangements. Normally a person may own only one pharmacy, but in Sweden a branch pharmacy is permitted. Dispensing and the sale of medicaments are, in general, limited to pharmacies, but in certain remote country places "medical stores" for the sale of packed medicaments are permitted. Technical assistants play an important rôle in counter work, and do straightforward dispensing, labelling (labels are invariably typed), packaging, etc. Pharmacists (proprietors) and pharmaceutists (qualified assistants) retire at fixed ages and qualify for pensions.



Dispensary counter at the Idun pharmacy, Oslo, Norway.

Distribution and Character of Pharmacies

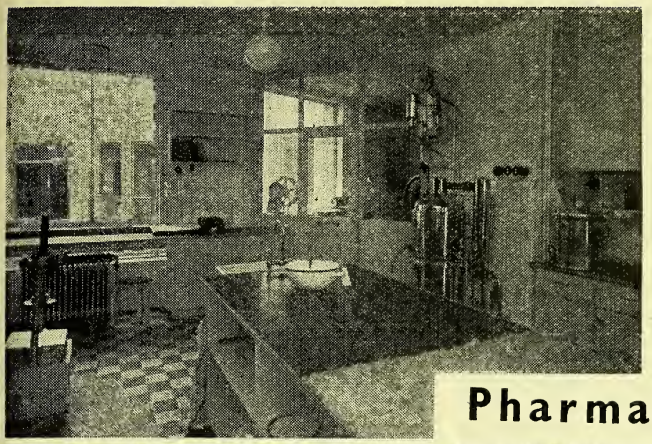
The distribution of pharmacies to population is in the ratio of one to approximately 9,000 in Finland and one to 16,000 in Sweden, compared with one to approximately 3,000 in Britain. Scandinavian pharmacies differ considerably from those in Britain; the name of the pharmacist, for example, never appears on the façade of the establishment, nor on labels or stationery; each pharmacy adopts either the name of the district in which it is situated or an emblem generally connected with an animal or bird, etc. (e.g. Swan Pharmacy). Goods are not shown in the shop windows, but occasionally a large emblem or specie jar may be displayed. In a corner of the front shop there is usually a waiting alcove, furnished with chairs, settees and a writing table. Merchandise is displayed under glass and not on the counter itself. The cash register is often a prominent feature, sometimes set upon a pedestal. The departments include dispensary, office, analytical laboratory, galenical laboratory, machine room, granulating room, washing-up, bottle packaging and dispatch rooms, laboratory for the preparation of sterile products, staff rooms, stock rooms, etc. The number of employees is frequently about thirty to forty.

Night Duties

Pharmacists and their qualified assistants must expect to carry out between thirty and sixty, and sometimes more, night duties per year, according to the area in which the pharmacy is situated. Government inspectors (pharmaceutically qualified) are required to visit every pharmacy at least once a year. They have the power to report on cleanliness, condition of fixtures, staff facilities, etc., in addition to purely pharmaceutical matters. An inspector is at liberty to select any medicine from those which have been dispensed and are ready to be dispatched, and to have it analysed. The prices of ingredients and for dispensing are standard throughout the country, and an official drug tariff is issued annually. In addition, the appropriate Ministry, through its State laboratory, must approve the name, composition, manner of sale and advertisement, and price of all specialities manufactured and sold in the country.

The pharmacists' organisation in each country maintains a laboratory, at which chemical and biological assays are carried out and formulas devised for use in retail pharmacies. Each society has acquired for its members exclusive rights in the use of a trade mark (D.A.K. in Denmark, N.A.F. in Norway, and A.C.O. in Sweden). Problems such as the standardisation of packing are also tackled. Until recently, all pharmacies in Sweden were equipped to undertake every pharmaceutical operation.

Pharmacies in SCANDINAVIA



Laboratory for pharmaceutical operations, and in background, tablet room, at the Idun pharmacy, Oslo, Norway.

A pharmacy at Sollefteå, Sweden.

Ryparkin pharmacy, Copenhagen, Denmark.

Pharmacists have decided, however, through their professional organisations, to develop the idea of establishing "district" pharmacies, at which the more specialised and expensive equipment is concentrated; these pharmacies supply neighbouring establishments with preparations such as injections, tablets, etc., that are made more economically on a large scale. There are twenty-five "district" pharmacies serving the 415 independent pharmacies in Sweden.

Hospital Pharmacies

In Denmark most hospitals have a pharmaceutical department, to which legal provisions similar to those in operation in retail pharmacies are applied. The pharmacy practised offers

many opportunities for co-ordinated research. In Sweden, the hospital pharmaceutical service is run from branch pharmacies or retail shops, set up in the hospitals, the main advantage being that a hospital receives its service at a greatly reduced cost. In Norway, hospitals are served from public pharmacies under contract.

Pharmaceutical students in Scandinavian countries commence their training after they have taken an advanced matriculation at the age of eighteen. In Denmark and Norway they take an intermediate pharmacy course first and then proceed to a period of practical training; in Sweden students take their practical training first and go to the university for part of their final course. This, in turn, is followed by another period of practical training in a pharmacy, and the tuition is completed by a further course at the university. Sweden recognises two classes of pharmaceutists, and only persons holding the senior qualification may aspire to ownership. Normally the age of a newly qualified person in Denmark, Norway and Sweden is twenty-four to twenty-five; in Finland, about twenty-eight. The Danes have a two-year final course, the Norwegians an eighteen-months', the Swedes a one-year, and the Finns a three-year course.

Two Categories of Student

In Sweden the "Pharmacy A" students (i.e. those aspiring to become owners of pharmacies) take a course which culminates in a B.Pharm. examination. "Pharmacy B" students (i.e. those who will continue as trained technical assistants) follow a course which terminates in a modified B.Pharm. examination; they are given instruction in chemistry and pharmaceutical chemistry, botany and pharmacognosy, pharmaceutical technology and forensic pharmacy. Their chief function in the pharmaceutical service is dispensing and light manufacturing within the pharmacies. They greatly outnumber "Pharmacy A" students; in 1946, for example, 185 out of 200 student places advertised for Sweden's pharmacy school were for Pharmacy B's. In Finland the final course includes publication of a research paper.

In each of the Scandinavian countries except Finland there is only one pharmaceutical teaching institute—a system unique in Europe. The schools are maintained by the State, supplemented by voluntary grants from the professional pharmaceutical societies. The Danish school was established in Copenhagen in 1892. At a new building, completed in 1942, emphasis has been placed on galenical pharmacy. Recently a degree of Doctor of Pharmacy has been introduced. Facilities for obtaining higher degrees in pharmacy are not yet well developed in Scandinavia, and opportunities of studying abroad are eagerly sought.

Treatment of Insured Patients

Replying to a question by Mr. F. G. Wells (chairman) in the discussion which followed his address, Dr. Michaels said that a patient received the same medicine whether he was insured or not. In fact, the doctor did not know whether a patient attending him was insured or not. Payment was always made on the spot, the insured patient being recompensed by the insurance company on production of the receipt. Payment for medicines was made at the pharmacy and the patient similarly reimbursed by the insurance company.

Replying to Miss M. C. Islip, Dr. Michaels said that proprietor pharmacists in Scandinavia were mainly male: students, however, were predominantly women, and in Finland the proportion of women students to the total was about 90 per cent.

Mr. H. J. Seath was told that the turnover at a Scandinavian pharmacy would be about four to five times that at a British pharmacy.

A U.S. FINDING ON B.C.G.

That B.C.G. vaccination is a safe, effective procedure against tuberculosis of all age groups is the conclusion reached by Rosenthal and others ("Journal of the American Medical Association," January 10, p. 73) after studies extending over thirteen years (the longest continuous study on B.C.G. conducted in the United States). The vaccine used was prepared from transfers of the original culture at the Pasteur Institute, Paris, transfers being made every two weeks. Virulence tests made on each batch showed that the characteristics of the vaccine did not vary appreciably during the thirteen-year period. The vaccine consists of a suspension of bacilli in a buffered salt solution. It is put up in capillary tubes in a similar way to vaccine lymph. Results showed that, in 2,831 newborn infants in poor districts of Chicago (not in household contact with tuberculosis) eleven cases of the disease occurred in the vaccinated, against thirty-nine in the controls. The tuberculosis rate per thousand person-years was 3.31 times greater in the controls than in the vaccinated.

STATUTORY COMMITTEE URGES COMPROMISE

THE postponed decision of the Statutory Committee of the Pharmaceutical Society upon a complaint laid by the Society about poster advertisements of Boots, Ltd. (see *C. & D.*, 1947.II.503), was announced at a meeting of the Committee on February 26. THE CHAIRMAN said: "On October 6 and 7 last we heard a complaint by the Society against Boots Cash Chemists (Southern), Ltd., and Mr. Sparshott, the superintendent pharmacist and a director of that company. Both sides were represented by Counsel.

The complaint concerned seven poster advertisements. It was not in fact proved either that the respondent company was responsible for these advertisements or that the Boots organisation was at the date of the hearing employing advertisements of that character. Sir Valentine Holmes, however, on behalf of the respondents, agreed, for the purposes of the hearing before us only, that his clients should be treated as responsible for the advertisements.

To the mind of the Committee, the three most important considerations which emerged at the inquiry were these:—

1, That each party recognised that the other was acting in good faith.

2, That in all the other cases in which the Society had complained of advertisements, the chemists concerned, both private and company, had been found willing to fall in with the Society's views, and

3. That the Boots organisation, while refusing to concede any question of principle, was entirely willing to discuss with the Society any question as to the form and contents of any advertisement."

Adjourned for Twelve Months

The Committee, having especially in view the fact that it has been found possible to reach agreement with other chemists, private and company, find it more than difficult to believe that no accommodation is possible between the Society and such an organisation as Boots, an organisation, that is to say, whose concern to uphold the standards of pharmacists should be second only to that of the Society itself, and they are at all events convinced that it is in the interests of everybody that every effort should be made to resolve, by friendly discussion, the difficulties which have arisen. They have, therefore, in the hope that it may prove to be unnecessary for them to reach and pronounce a formal decision, decided to adjourn this matter for twelve calendar months from today.

A second hearing of the Statutory Committee on the same date concerned John Maurice Gregory, Hampstead, who appeared on a charge that, whilst acting as *locum tenens* to Jonah Jones & Son, chemists, Llandilo, South Wales, he was, on a day in September 1947, under the influence of alcoholic drink or drugs to such an extent as to be unfit to be in personal control of the business so far as it concerned the retail sale of drugs. After a statement by the Society's solicitor, evidence was given by Mr. W. Alfred Jones, proprietor of the pharmacy, one of his lady assistants, and a police officer. Mr. Gregory denied the charge. He also said that he was suffering from rheumatism, vertigo, and leg thrombosis. The Committee found itself unable to accept his denials; Mr. Gregory had been warned by the Committee on two previous occasions, and the Chairman announced that the Committee had no alternative but to direct that his name should be removed from the Register.

Charge Abandoned

In a third case, after hearing part of the statement of the pharmacist affected, THE CHAIRMAN interrupted it to say that the Committee had decided not to proceed any further with the charge.

A PHARMACIST'S ANTHOLOGY

CHYMISTRY was always an interesting pursuit with Dr. Johnson. Whilst he was in Wiltshire, he attended some experiments that were made by a physician at Salisbury, on the new kinds of air. In the course of the experiments frequent mention being made of Dr. Priestley, Dr. Johnson knit his brows, and in a stern manner inquired, "Why do we hear so much of Dr. Priestley?" He was very properly answered, "Sir, because we are indebted to him for these important discoveries." On this Dr. Johnson appeared well content; and replied, "Well, well, I believe we are; and let every man have the honour he has merited."

[In a footnote]: . . . . Whoever wishes to see a perfect delineation of this Literary Jack of all Trades, may find it in an ingenious tract, entitled "A Small Whole-Length of Dr. Priestley," printed for Rivingtons in St. Paul's Church-Yard.

From "The Life of Samuel Johnson, L.L.D.," by James Boswell.

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INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Mann brand of calciferol
Agyinkwa Rub
Black Prince toilet rolls
Rumnadels
Cephalgen

The CHEMIST AND DRUGGIST
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Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLIX MARCH 6, 1948 No. 3550

Taxation of Cosmetics

While it would be difficult to support with sound reasons a plea for the total abolition of purchase tax on cosmetics, perfumery and toilet preparations, there is, we submit, a convincing case for adjusting the present exceptional rates of tax on these goods to a reasonable level. In October 1940, under Class 18 (i), "Cosmetics and preparations of comparable character" (face cream and powder, skin food, lipsticks, perfume and perfumed preparations, hair dressings and other hair preparations, bath salts, deodorants, etc.), were taxed at the rate of 33⅓ per cent. On April 15, 1942, the tax was increased to 66⅔ per cent., then to 100 per cent. on April 13, 1943, and finally up to 125 per cent. on November 13, 1947. The rate of tax on "Other toilet preparations," Class 18 (ii) (shaving cream, toilet soap, dentifrice, eye lotions, mouth washes and antiseptics, unperfumed alleviating toilet preparations, etc.), in October 1940 was 33⅓ per cent., which was increased to 50 per cent. on November 13, 1947.

Compared with 1940 levels, the cost of production of these goods has increased by at least 100 per cent., so that the *amount* of tax paid on Class 18 (i) goods is now approximately seven times as much as that imposed when the tax was first introduced. In 1940 an article costing 2s. to produce was taxed eightpence; today production cost is at least 4s. and the tax (125 per cent.) is 5s. Class 18 (ii) goods costing 2s. in 1940 were also taxed eightpence; today the same articles would cost 4s. to produce and the tax (50 per cent.) is 2s. We respectfully submit for the consideration of the Chancellor of the Exchequer, when dealing with purchase tax in relation to the forthcoming Budget, the following brief points in support of an earnest appeal for a substantial reduction in the rates of consumer taxation on these two classes of goods.

1. Manufacturers have been outstandingly successful in their efforts to increase their exports—they have exceeded their target with shipments in the region of £5 millions a year. To signify their approval of this achievement, the Government introduced a scheme (under Limitation of Supplies) to allow *additional supplies* for the home trade, but at the same time the rate of tax was pushed up to 125 per cent. *to stop home sales.*

2. Retailers are having to think more than twice before stocking-up with goods on which they have to pay 125 per cent. tax at the time of delivery. It is beyond the normal financial capacity of many retailers to stock practical quantities.

3. The public demand for these goods has fallen off to a marked degree, solely on account of the extortionate "tax inclusive" prices.

4. Illicit manufacture of goods of dubious quality is not very difficult. A tax of 125 per cent. on these goods invites an epidemic of "black market" productions.

5. The present high rate of tax has a definitely harmful effect on the development of the industry's export trade. Unless manufacturers are allowed a reasonable volume of home trade, which carries with it the cost of essential experimental work and the opportunity to introduce and try out new lines, they cannot possibly hope to compete in the world's markets against American and Continental manufacturers who are not similarly restricted.

An Industrial Epic

The history of the cosmetics, toilet preparations and perfumery industry during the war years, and since, is something of an industrial epic. Besides the heavy burden of consumer taxation which the industry has had to carry since 1940, home sales have been drastically curtailed under a

Limitation of Supplies Order. Early in the war, the industry was "concentrated" and a good deal of its productive activity was turned over to munitions. Following the conclusion of hostilities, the Government appealed for substantial increases in exports, and the industry, although crippled and disorganised by its war effort, "went to it" in no uncertain manner, and would have done even better if it could have been supplied with packaging and other raw materials. As an industrial body, the manufacturers have throughout complied strictly, and in the right spirit, with any and every wish or Order of the Government, pursuing not its own policy but that laid down by the authorities in the national interest. Such a record is worthy of a measure of consideration.

Today, "Cosmetics," Class 18 (i), are not the luxuries of the few; even under the prevailing austere standard of living they are accepted as commonly used necessities, while "Other toilet preparations," Class 18 (ii), are normal adjuncts to the health and moral of the nation. Consumer taxation on such goods, if still considered necessary as a temporary measure, should, in the national interest, be no more than reasonable and certainly not punitive. Our present economic position calls for "emphasis on exports" but it must be realised that an industry which is heavily penalised and restricted in its home sales cannot hope to succeed in the face of increasing world competition to maintain, much less increase, its volume of export trade.

Motley Council

A Pharmaceutical Functional Council is now established and its membership has been announced (see *C. & D.*, February 28, p. 262). Set up under what is—in this example—euphemistically referred to as Whitley Council "machinery," the Council is composed like a Joint Industrial Council, equally of "employers" (the Ministry of Health, Department of Health for Scotland, Regional Hospital Boards and Executive Councils) and "employees." Interest lies chiefly in the "employee" half because, unlike previous examples that have gained for Whitley Councils a considerable reputation in remedying staff grievances in civil service, local government and similar employment, the "employees" in this instance are of two sharply contrasted kinds; their interests, far from being identical, may not always be even reconcilable. On the one hand there are ten members appointed by the Joint Contractors' Committee of the National Pharmaceutical Union, plus three from the Pharmaceutical Standing Committee (Scotland), and on the other six appointed by the Guild of Public Pharmacists, supplemented by one each from the Association of Scientific Workers and the Confederation of Health Service Employees.

Ignoring those lesser lights, let us for a moment be generous to the Guild of Public Pharmacists and allow it a membership of a thousand. Ignoring also the company chemists and "co-ops", let us be correspondingly ungenerous to the N.P.U. and assume that its membership has declined to 9,000. Then each Guild representative speaks for at most 166 pharmacists and each contractor for at least 900. What is likely to be the efficiency of a "machine" established on such an unequal basis?

It will not have passed unnoticed that the N.P.U. quite recently torpedoed the Joint Committee on the explicit ground that nobody else had an interest in the remuneration of contractors. How is it now to put forward a common platform with the hospital pharmacists?

"Ah!" it may be said, "but the Whitley Council will not be concerned with contractors' remuneration."

Perhaps not—for the time being. But every other Whitley Council hitherto has concerned itself with rates of pay, and, indeed, the aims of the Pharmaceutical Functional Council are understood to include:

Provision of an adequate and ready channel *for the consideration of the claims of any section of the persons employed* and for remedying any of their grievances.

The italics are, of course, ours. It is recognised that, in their capacity as contractors under the National Health Service Act, the proprietor pharmacists, multiples and co-operatives become, in effect, employees of the Government after July 5. We are not, at the moment, dealing with the

›sition of the employees of the contrac-
rs. Our immediate concern is with the
rious components of the new "machine,"
it has, in fact, been put together. Look-
g at them again from the aspect, not of
e members they represent, but of the
nount of N.H.S. dispensing for which
ey will be responsible after July 5, the
sproportion of their numbers seems even
ore fantastic. The number of prescrip-
ons then to be dealt with has been esti-
ated at 2½ times more than under N.H.I.
ow, whatever the present relative amounts
f public dispensing done in institutions
nd in shops, undoubtedly the vast bulk of
at increase will go to the shops, if for
o other reason than that they are
umerous and accessible, while the hos-
itals are comparatively rare and remote. A
roportion of eight hospital pharmacists to
en contractors on the committee, unreal
nough now, will thus become even more
xaggeratedly absurd later.

Retail Wage Rates

AGREEMENT has at last been reached by
ne National Joint Industrial Council for
Retail Pharmacy on a new scale of mini-
mum weekly wage rates (see p. 316). In
uly 1947 the employees' side of the Coun-
il proposed increases over the rates in
November 1946 and gave notice of pro-
osals to make changes in working condi-
ions, including a reduction in the normal
vorking week. Revised wage proposals,
epresenting a compromise between the
mployees' claim and the 1946 scale, were
ut forward by the employers' side in
December 1947. The compromise scale has
now been accepted by both sides, as an
nterim settlement, and comes into opera-
ion on the pay day of the week commenc-
ng March 8. The new interim scale
represents a weekly increase of 16s. for
qualified managers in the London area (12s.
or 13s. in the provinces) and of 14s. for
qualified assistants (10s. or 12s. in the pro-
vinces). Unqualified assistants receive in-
creases of 5s.-10s.; while the rates for other
employees have been increased to corres-
pond with minimum rates already in force
n other sections of "non-food retail distri-
bution." The N.J.I.C. is to meet again in
six months' time, when the proposed
changes in the conditions of employment,
and the employees' original wage claim (for
a weekly minimum of £10 10s. irrespective
of sex for qualified managers controlling a
staff of three or more, in London, with other
rates in proportion) are again to be con-
sidered. Meanwhile, it is to be hoped that
those who are negotiating terms for
National Health Service dispensing with
the Minister of Health will make it entirely
clear that the interim scale represents only
minimum rates and not necessarily the
actual cost of pharmaceutical man-power
to the contractors.

Brazilian Ipecacuanha

AN announcement in the Trade Report this week (p. 320) that Brazilian ipecacuanha is to return to the London market, will be of great interest to manufacturing chemists. It will be remembered that, prior to January 1941, only the Rio or Matto Grosso variety of the Brazilian drug was official. The Third Addendum to the British Pharmacopœia then reduced the percentage of non-phenolic alkaloids (emetine) in the standard for alkaloidal content from two-thirds to three-fifths of the total. This allowed Minas ipecacuanha, produced in the Brazilian province of Minas Geraes, to be used in place of the Matto Grosso root, which was becoming scarce.

Later on in the war years the Brazilian varieties of the drug went off the English market owing to the growing demands of the Rio emetine manufacturers, and Britain, by reason of the shortage, imported Colombian (Cartagena) and Nicaraguan ipecacuanha. The Sixth Addendum monograph on ipecacuanha (August 1943) which is still in force, further reduced the permissible non-phenolic alkaloid content to 55 per cent., but the Colombian or Nicaraguan drug, while possessing a high total alkaloidal content, seldom, if ever, reached the required standard for non-phenolic alkaloids. The former yields about 30-40 per cent. emetine, the latter 20-25 per cent.

The Brazilian government have decided to export certain products surplus to the requirements of the home industry and presumably ipecacuanha is apparently being exported for this reason. The Medical Supplies Division of the Ministry of Health informs us that supplies will be restricted to the production of emetine.

IRISH DRUG ASSOCIATION

Annual meeting in Dublin

At the annual meeting of the Irish Drug Association held in Dublin on February 23, Mr. Michael Costello (president) who was in the chair, referred to the loss the committee had suffered in the death of the late Mr. A. J. Donnell. He also reported that two members were no longer able to work on the committee, Mr. James Duggan (a past-president) for business reasons, and Mr. E. J. McSweeney, Cork, through travelling difficulties. Mr. F. J. Robinson had been co-opted in place of the late Mr. Donnell. After twenty-five years as treasurer, Mr. G. A. McLean Lee had been compelled on health grounds to resign from office, and had been succeeded by Mr. T. C. Scott. The committee had accepted with regret the resignation of Mr. R. J. Kidney as secretary. Mr. Brendan Smith had taken over the joint position of general and organising secretary. New offices for the Association had been opened in Merrion Square. Mr. Kidney, said the President, had been connected with the Association almost since its inception, and had given many years of valuable and efficient service.

Review of 1947

Following a demand from the Irish Union of Distributive Workers and Clerks for increased wages, continued the President, agreement had eventually been reached at the end of March, and the present scale of wages had come into operation. The strike in the wholesale trade, which had made trading difficult for so many members from February until June had revealed the difficulties which could be caused when two totally different sections of the trade were registered in an association under one name. It had been decided that, to prevent further confusion, the Wholesale Section should register as a separate body. At the beginning of 1948 the Wholesale Section had registered as a trade union as the Wholesale Drug Federation of Ireland. The body would continue to restrict distribution, and a joint committee with the I.D.A. had been formed for the distribution of approved lines.

A ballot to see whether 7 p.m. closing would be possible in Dublin and district had shown 43 per cent. in favour of early closing, and the committee had felt that no change in the existing closing time of 8 p.m. was justified. Chemists in certain districts had voluntarily decided to close at 7 p.m. In the centre of Dublin and in some residential suburbs, pharmacies now closed early, but in other districts members had not found it possible to close before 8 p.m.

Restrictions on Trade Bodies

The proposed new Industrial Efficiency and Prices Bill, if it became law, would place restrictions on trade organisations and seriously affect the activities of the I.D.A. which, in conjunction with other bodies, had requested the withdrawal of the Bill. Because of the recent elections the Bill had been shelved.

To meet increases in overheads, revised dispensing charges had been circulated in the spring, and a continuous campaign had been waged for better terms from manufacturers.

Membership had continued to expand during the past year. To allow for the increase it had become necessary to lodge an extra £200 with the High Court in conformity with the Trade Union Act. The Department of Industry and Commerce had been approached to obtain an extra sugar ration for I.D.A. members, to obtain a petrol allocation for members whose business interests necessitated travelling, and to obtain allowance for the gradual loss and diminution of soap coupons over the past few years. Unfortunately the Association had been successful only in receiving an assurance that each application for an extra sugar ration would be treated on its own merits.

Recently the Prices Section of the Department of Industry and Commerce had expressed the opinion that retail prices should be incorporated on all toilet brushes. While the committee had no real objection to such retail prices being stamped on the particular articles, provided a fair profit margin was allowed, some apprehension was felt. It was not considered possible to incorporate retail prices without chaos and upset in the trade. Certain traders might be able to obtain wholesale terms, and sell a marked article retail at less than the price shown, and the scheme might be the forerunner of a system insisting that retail prices should be stamped on all articles.

The President said the committee had under consideration the various aspects of the new Health Act so far as they affected retail chemists. The White Paper had made a generalised statement about

hemes which included free medicines for ersons with incomes up to £350. At the oment the committee was still working ı the Act, and members' interests would watched.

Mr. P. A. Brady (president of the Pharaceutical Society of Ireland), moving the loption of Mr. Costello's report, said the D.A. had gone on by leaps and bounds. o president deserved more credit than ir. Costello for the excellent work he had ne during his term of office. A spirit goodwill that had grown up between the ıarmaceutical Society and the I.D.A. was the benefit of pharmacy and of business. ıe annual meeting of the Association of irty years ago had been held at 67 Lower ount Street, and in the chair had been r. George A. McLean Lee, whom he was ad to see was again present. The esident's report was adopted.

easurer's Report

Mr. T. C. Scott (treasurer) presenting s report, said his forerunner in office for e past few years had been in the happy sition of presenting a report which on ch occasion had been an improvement ı its predecessor. The present balance eet showed a deficit of £171, due mainly the cost of moving into new premises ıd providing furniture and equipment. uch of the expenditure would be noncurring. Capital stood at £2,204 against 2,375 for the previous year; subscripons had brought in £1,790, while exnditure on office equipment and furnire had totalled £570, and upon fixtures ıd fittings, £63. The number of paid-up embers at December 31, 1947, was 871 ainst 841 in 1946. There were over 900 embers actually on the register, but some ere in arrears. The figures explained ıy it had been necessary to increase the bscription to £3 3s. per annum during e past year. The cost of running the ssociation had increased greatly, and now at the Association had severed its conction with Mr. Kidney it had assumed e responsibility and costs for such items rent, light and fuel. Even with the bscription at £3 3s. the Association reained one of the cheapest trade bodies the country and gave the best services. ı 1947 2,636 price changes (about fifty terations per week) had been circularised ith a report of the meetings of the comittee, and information on any new laws regulations which affected pharmacists the drug trade. Over 10,000 letters had en dealt with in the year—an average of about 200 per week. To deal with the volume of work the committee depended on the secretary and two assistants who had worked extremely hard. Twenty-five meetings had been held, and several subcommittee meetings, meetings with representatives of the Irish Union of Distributive Workers & Clerks, with Government officials, with other trade bodies, and with manufacturing and wholesale houses.

Mr. McLean Lee moved the adoption of the treasurer's report; Mr. M. Ryan seconded. The motion was carried.

On the motion of Mr. P. Fahey, seconded by Mr. J. Hurson, the following outgoing members of the committee were unanimously re-elected: Messrs. F. X. Meagher, L. G. Smith, P. F. McGrath, F. J. Robinson, M. Costello and D. J. Bridgeman. On the motion of Mr. J. J. Roche (vice-president) a formal amendment to Rule 7 concerning the books to be kept by the secretary and treasurer, and the dissolution of the Association by resolution of a general meeting, was carried. On the motion of Mr. L. G. Smith, seconded by Mr. T. R. Bourke, an amendment to Rule 9 fixing the annual rate of subscription at £3 3s. was also carried.

Mr. J. A. O'Rourke said members of the Association were under a deep debt of gratitude to the president and to Messrs. Roche, Scott and the other members of the committee for the great work they had done. If the Association, as a protective body, had the same rights as a trade union there was nothing to fear from any legislation that threatened to limit their rights The President said the Association had full protection as a trade union, and had been able to invoke that protection during the recent strike.

Mr. Ryan then called attention to the practice of some manufacturers of stamping the name on their tablets, and Mr. O'Rourke commented on the policy of some proprietary manufacturers who supplied hospitals and institutions direct at prices 25 per cent. or more less than to the chemists. Mr. M. Smith raised the question of obtaining bulk supplies of cod-liver oil; at present only bottled supplies were available. When another member urged that the Association should protest against the recent extra duty on cosmetics, the President pointed out the difficulty of dealing with a national policy of taxing luxuries. Mr. O'Rourke said he would be in favour of putting 100 per cent. tax on foreign cosmetics coming into Eire since all those needed could be home produced.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE February meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on February 20, the president (Mr. John McGregor) in the chair. Also present were Messrs. H. H. Cowzer (vice-president), P. R. W. Shinner (treasurer), F. R. Moore, J.P., W. H. Boyd, W. P. Ewart, H. W. Gamble, C. Abernethy and Walter C. Tate, Professors J. Small and E. B. C. Mayrs, and Mr. William Gorman (secretary). Apologies were received from Messrs. J. Glendinning, J. Irwin and H. F. Moore.

A letter was received from the registrar of the South African Pharmacy Board, in reply to a communication from the Society on August 15, 1947, stating that the Board had considered the mutual acceptance by both bodies of the other's qualification certificates and had come to the conclusion that the need for reciprocal recognition did not exist in South Africa.

The minutes of the Education Committee stated that the summer examinations would be held in week beginning June 21 (closing date for entries, May 21). The following examiners were appointed:—*Botany,* Miss M. Clapham, M.Sc.; *Zoology,* Mr. G. Williams, M.Sc.; *Chemistry,* Dr. J. E. Driver; *Physics,* Mr. R. H. Sloane, D.Sc.; *Pharmacognosy, Pharmaceutics and Forensic Pharmacy,* Mr. G. Perrins, Ph.C.; *Physiology,* Mr. J. T. Shepherd, M.D.

Law Committee

The Law Committee reported that consideration of the subject of prescriptions, containing Schedule 4 poisons, which a doctor marked "repeat" or "to be repeated," was to be deferred. The pharmacy inspector had heard complaints which had been put forward about the sale of medicines in welfare clinics and hospitals. He had undertaken to inspect certain clinics and hospitals to see whether anything irregular was being done. The inspector had also ruled that a hatchery which sold Schedule 4 poisons wholesale and retail for the purpose of trade or business was not contravening the Act. It was decided that the Council could not express a legal opinion in a case where indentures had been signed between a member of the Society and an apprentice who was afterwards found not to have the necessary qualification for the certificate of apprenticeship.

Certificates of apprenticeship were granted to Margaret Eastwood, Cookstown, John McElreavey, Ballymoney, Michael James McEvoy, Newry, and Norman Kenneth Parkinson, Draperstown.

A letter was received from Mr. C. Connolly, Limavady, recommending that reports of the Society's lectures should be circulated. It was decided that as the information concerned was the property of the lecturers, it would be better to arrange lectures in provincial centres by trade representatives who possessed information about products of their own companies and others.

Teaching of Physics

On the report of the examiners on the December examinations, MR. COWZER again drew attention to the report on Physics, Part I, in which it was stated that only half the candidates had been able to attempt many of the questions. He thought that better instruction in the subject or a shortening of the syllabus was required as it was unfair that so many students were losing their chance of success in the examination as a whole owing to the standard of teaching in the subject. THE PRESIDENT said that physics had long been a matter of complaint and deputations had made efforts to secure better tuition. The trouble appeared to be that there was no continuity of teaching. THE SECRETARY said that if physics were made a compulsory subject for the preliminary examination, the same might be demanded for chemistry. MR. GAMBLE said it appeared to be taken for granted that students had previous knowledge of physics; this was often not the case. It was decided that the Ministry of Education should be asked when its report on the teaching of physics would be available and that, meanwhile, the examiners' reports should be sent to all the schools concerned.

Examiners' Reports

THE reports of the examiners for the December 1947 Final Qualifying examinations (Part II) of the Pharmaceutical Society of Northern Ireland are summarised below:—

CHEMISTRY: The general standard was about the same as in recent examinations. There were many good scripts, but a considerable proportion of candidates did not show an adequate understanding of fundamentals. The theoretical questions on

rganic chemistry were done best; those n the preparation and properties of Pharmacopœial substances were the least satisactory. The volumetric exercise was well one, but the qualitative examination of nknown organic compounds was not so vell attempted; most candidates followed too rigid routine and failed to draw roper conclusions from simple observaions. Common faults were (a) failing to ead the instructions; (b) giving informaion not asked for in the question; and (c) vriting at excessive length on one question r one part of a question. (Examiner, Dr. J. E. Driver).

Pharmacognosy: Papers were quite well nswered, except for the question on fibres f surgical dressings. In the practical, the uestion on surgical dressings was either mitted or answered insufficiently. Dresings are a new part of the syllabus, and o not appear to have received sufficient ttention.

Forensic Pharmacy: The paper was nswered in a satisfactory manner, lthough much extraneous matter was put nto the answers.

Pharmaceutics: In the written paper here was a decided weakness in quite half he candidates. Prescription reading was uite satisfactory, but knowledge of doses f drugs was often decidedly weak. In the ractical, failures were, in many cases, due o miscalculations. Carelessness amounting to negligence resulted in many candidates failing who might otherwise have assed. The standard generally fell beow what it has been in the past five xaminations. (Examiner, Mr. G. Perrins).

Physiology: The standard attained was satisfactory. (Examiner, Professor H. Barcroft).

Preliminary Scientific

The reports of the examiners for the December 1947 Preliminary Scientific examination are summarised below:—

Chemistry: Questions on the preparation of common gases were well done, even by the weaker candidates; answers to other questions were not so good. The practical work was generally satisfactory, but poor answers to two questions in the theoretical paper showed clearly that candidates regard qualitative and volumetric analysis as routines which have to be followed but need not be understood.

Botany: In the theory paper too few candidates made proper use of labelled sketches. The practical work, on the whole, reached a higher standard than the theory. High power drawings, however, were poor. Most candidates attempted to draw too much, and did not differentiate the various types of cells. Many candidates could not distinguish between a seed and a fruit, and applied technical terms obviously without understanding their meaning. (Examiner, Miss M. Clapham).

Zoology: The standard is uniformly better than in the June examination but the practical side is still considerably weaker than the theory. The dissections performed were reasonably good but an undue proportion of marks were lost in the various identification of bones and microscopic preparations.

Physics: Forty-one candidates presented themselves for examination, and of these I felt compelled to fail thirty. Failures were due mainly to bad answering of the theoretical paper, although, in my opinion, the paper could not be described as difficult, and constituted a very fair test on the course. The practical test showed relatively satisfactory results. It should, however, be remembered that the experiments set were in many cases definitely easy. (Examiner, Dr. R. H. Sloane).

INQUESTS

Camphorated Oil by Mistake.—At an inquest at Walthamstow, London, recently, on an eighty-six-year-old woman, it was stated that the woman had taken camphorated oil in mistake for liquid paraffin; bottles of both had been kept on the same shelf. A verdict of accidental death was recorded.

Overdose of Laxative Tablets.—At an inquest held at Kingston - on - Thames recently on a sixteen-months-old boy, a doctor stated that the child had swallowed a number of laxative tablets and had died from poisoning caused by certain ingredients of the tablets. A verdict of death from misadventure was returned.

Camphor Addict.—Camphor poisoning, said a pathologist, was the cause of death of a forty-eight-year-old woman on whom an inquest was held at St. Pancras, London, recently. Dr. Horace Winsbury-Wright, the dead woman's husband, said that his wife had been receiving injections to relieve pain, but she believed that taking camphor helped her. He had not met a case of camphor addiction before. The pathologist told the coroner that camphor was said to produce a sense of exhilaration, followed by a desire for sleep. A verdict of death from excessive drug taking was returned.

NEW N.J.I.C. MINIMUM RATES

After lengthy negotiations, the following scale of weekly wage rates, to come into operation on the pay day in week commencing March 8, has been agreed by the National Joint Industrial Council for Retail Pharmacy. The new scale represents the revised proposals presented to the N.J.I.C. by the employers' side on Decer ber 16, 1947, and is an interim settlemer The Council is to further consider in s months' time the proposed minimum rat and revisions in conditions of employme applied for by the employees' side c July 25, 1947 (see *C. & D.*, 1947.II.156).

Qualified Managers and Manageresses

Controlling a Staff of	London	Provincial	
		A	B
(*a*) Three or more full-time employees—			
Managers	£8 11 6	£8 5 0	£8 2 0
Manageresses	£8 1 6	£7 15 0	£7 12 0
(*b*) Less than three full-time employees—			
Managers	£8 4 0	£7 17 6	£7 14 6
Manageresses	£7 14 0	£7 7 6	£7 4 6

Qualified Assistants

Area	First Year		Second Year		Third Year	
	Males	Females	Males	Females	Males	Females
London ...	137s.	127s.	142s.	132s.	147s.	137s.
Provincial A ...	131s. 6d.	121s. 6d.	136s. 6d.	126s. 6d.	141s. 6d.	131s. 6d.
Provincial B ...	127s. 6d.	117s. 6d.	132s. 6d.	122s. 6d.	137s. 6d.	127s. 6d.

Unqualified Assistants who have Completed Articles of Pupilage

Area	Age 20		Age 21		Age 22		Age 23		Age 24	
	M. s. d.	F. s. d.	M. s. d.	F. s. d.	M. s. d.	F. s. d.	M. s. d.	F. s. d.	M. s. d.	F. s. d.
London ...	77 6	71 6	90 6	79 6	95 6	84 6	100 6	89 6	108 6	94 6
Provincial A ...	73 0	67 0	86 0	75 0	91 0	80 0	96 0	85 0	104 0	90 0
Provincial B ...	70 0	64 0	82 0	70 0	87 0	75 0	92 0	80 0	100 0	85 0

Shop Assistants aged 15-24 except Apprentices

Area	Sex	15	16	17	18	19	20	21	22	23	24
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
London ...	Male	33 0	37 0	42 0	52 0	60 0	67 0	82 6	86 6	90 0	98 0
	Female	28 0	32 0	39 0	45 0	49 0	53 0	61 0	65 0	72 0	—
Provincial A ...	Male	29 0	33 0	37 6	47 6	55 6	62 6	78 0	82 0	85 6	93 6
	Female	24 0	28 0	34 6	40 6	44 6	48 6	56 6	60 6	67 6	—
Provincial B ...	Male	26 0	30 0	34 6	44 6	52 6	59 6	74 0	78 0	81 6	89 6
	Female	21 0	25 0	31 6	37 6	41 6	45 6	51 6	55 6	62 6	—

All other Male Workers aged 15-24 except Apprentices

Area	15	16	17	18	19	20	21	22	23	24
London ...	32 0	36 0	40 0	51 0	55 0	61 0	75 0	80 0	86 0	90 0
Provincial A ...	28 0	32 0	35 6	46 6	50 6	56 6	70 6	75 6	81 6	85 6
Provincial B ...	25 0	29 0	32 6	43 6	47 6	53 6	66 6	71 6	77 6	81 6

COMING EVENTS

Monday, March 8

ERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 56 Lord Street, Liverpool, at 7 p.m. Annual meeting.

RROW BRANCH, PHARMACEUTICAL SOCIETY, Bridge School, Station Road, Wealdstone, at 7.30 p.m. Dr. G. R. Boyes on "The Pharmacological Background to Recent Drugs."

ADING BRANCH, NATIONAL PHARMACEUTICAL UNION, Palmer Hall, Reading, at 7.30 p.m. Address by Mr. J. F. McNeal (a member of the Pharmaceutical Society's Council).

Tuesday, March 9

TTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-chirurgical Society, 64 St. James's Street, at 7 p.m. Mr. C. L. Clarke (Kodak, Ltd.) on "The Wonderland of Photography."

ORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, North Stafford Hotel (opposite Stoke Station), at 7.30 p.m. Dr. A. J. McCall (pathologist, North Staffs Royal Infirmary) on "The Treatment of Blood Diseases."

UNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Trinity Hall, Alexandra Road, at 8 p.m. Mr. C. Beavan, Ph.C., on "The Riddle of Allergy."

ESTON BRANCH, PHARMACEUTICAL SOCIETY, Bull and Royal Hotel, Church Street, at 7.30 p.m. Dr. E. Hughes (Medical Officer of Health for Preston) on "Local Authority Health Services."

ORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Research Institution, Euston Road, London, N.W.1, at 7.30 p.m. Mr. D. Stephenson, B.Sc., Ph.C., on "Some Aspects of Tablet Manufacture."

Wednesday, March 10

OUGH BRANCH, PHARMACEUTICAL SOCIETY, Castle Hotel, Windsor, at 7 p.m. Annual dinner and dance.

ASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, Cumberland Hotel, at 7.15 p.m. Dinner and dance.

BERDEEN BRANCH, PHARMACEUTICAL SOCIETY, Caledonian Hotel, Aberdeen, at 8 p.m. Address by Drs. J. Tait and D. McCall.

EST HAM ASSOCIATION OF PHARMACISTS, Church Institute, 27 Romford Road, Stratford, London, E.15, at 8 p.m. Discussion on the five-day week in pharmacy, and nationalisation of retail shops, introduced by Mr. Stanley Paske.

NSTITUTE OF CHEMISTS-OPTICIANS, Brown's Hotel, Dover Street, London, W.1, at 7 p.m. Annual dinner.

ESTERN PHARMACISTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Mr. O. F. C. Bromfield (Editor, THE CHEMIST AND DRUGGIST) on "The Production of a Modern Trade Newspaper."

Thursday, March 11

EDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, George Hotel, Luton, at 7.15 p.m. Film show.

HARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Sir Weldon Dalrymple-Champneys (deputy-chief medical officer, Ministry of Health) on "The Work of the Medical Staff of the Ministry of Health."

EST HAM ASSOCIATION OF PHARMACISTS, Valentine Hotel, Gantshill, Ilford, at 6.30 p.m. Annual dinner and dance.

IVERPOOL CHEMISTS' ASSOCIATION, Radiant House, Bold Street, at 7.15 p.m. Film show presented by Mr. W. G. Merrick, M.P.S.

NORTHUMBERLAND AND GATESHEAD BRANCH, NATIONAL PHARMACEUTICAL UNION, Crown Hotel, Clayton Street, Newcastle-on-Tyne, at 7.30 p.m. Mr. G. H. M. Graham on "The Working Party in Pharmacy."

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Mr. T. D. Whittet, Ph.C., on "Pharmaceutical Sterilisation."

MANCHESTER BRANCH, PHARMACEUTICAL SOCIETY. The meeting for discussion of the new British Pharmacopœia has been cancelled.

SHROPSHIRE AND MONTGOMERY BRANCH, PHARMACEUTICAL SOCIETY, Wards' Café, Shrewsbury, at 3 p.m. Discussion on National Health Service.

CORK GUILD OF PHARMACY, School of Art, Cork, at 8.30 p.m. Mr. A. R. G. Chamings on "Hormones."

Friday, March 12

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting.

BIRKENHEAD PHARMACISTS' ASSOCIATION, Chamber of Commerce Rooms, Hamilton Square, Birkenhead, at 7.45 p.m. Grouse night.

WEST OF IRELAND CHEMISTS' ASSOCIATION, Grand Hotel, Sligo, at 8.30 p.m. Mr. A. R. G. Chamings on "Antihistaminics."

Monday, March 15

ULSTER CHEMISTS' ASSOCIATION (ASSOCIATES' SECTION), School of Technology, College Square East, Belfast, at 8.30 p.m. Mr. A. R. G. Chamings on "Ointments."

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY is holding a buffet dance at the Dudley Hotel, Hove, on Wednesday, March 17. Tickets 12s. 6d. each (transport home 1s. 6d. extra) from Mr. Arch. Wilson, 13 Hove Park Villas, Hove, 4.

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, is holding its semi-jubilee dinner at the Café Val d'Or, Dundee, on Thursday, March 18, at 7.15 p.m. Tickets 10s. 6d. each, dress informal.

Asthma Cures.—So now I have no alternative than, like Lord Beaverbrook and King William III, to live with my asthma . . . . . I take ephedrine (which keeps me awake), Benadryl (which sends me to sleep), and Aminophyllin (diuretic). I've tried atropine, abstinence, alcohol, and adrenaline. Only the last is of any use at all, but it's terrifying stuff to take. The injection stings like a wasp, you can hear your heart-rate climbing sky-high, the bottom begins to drop out of your stomach, and the top of your head wants to blow off. This is all made worse by a concurrent feeling of panic. My favourite weapon is an atomiser loaded with adrenaline 1 : 100. . . . . By sneaking off into a quiet corner for a sniff, à la Cocaine Joe, I can usually get wonderful relief if I catch the attack early enough.—A peripatetic correspondent in the "Lancet."

STOCK EXCHANGE PRICES

Quotations are the average for the day stated. New securities are shown in italics.

£1 unit unless otherwise stated	Jan. 30 1948	Feb. 27 1948
	s. d.	s. d.
Allen & Hanburys, prefd. ord. 7% cum.	31 3	31 3
Amber Chemical, ord., 2s. ...	10 9	10 0
Amber Chemical, 5% cum. pref.	22 3	23 9
Ascotts Pharmacies, ord. stock, 5s.	13 9	13 9
Aspro, ord. stock, 5s.	46 6	40 0
Beecham Group, defd., 2s. 6d. ...	23 0	19 0
Beecham Maclean Holdings 4% red. cum. pref.	21 3	21 3
Blythe, William, & Co., ord., 3s.	16 6	15 6
Boake, Roberts, ord., 5s. ...	34 3	32 6
Boots (Eastern) "A" pfd. 6% cum.	32 0	32 0
Boots (Northern) "A"pfd. 6% cum	32 0	32 0
Boots (Western) "A" prfd. ord. (7% non-cum.)	37 3	37 9
Boots Pure Drug, ord., 5s. ...	61 0	51 0
Borax Consold., defd. ord. stock	56 3	55 7½
British Alkaloids, ord., 1s. ...	15 0	14 0
British Chemicals & Biologicals, 4% cum. red. pref., ...	22 0	21 6
British Drug Houses, ord., 5s. ...	12 0	10 0
British Emulsifiers, 2s.	1 6	1 6
British Glues & Chemic., ord., 4s.	24 0	20 0
British Industrial Plastics, ord., 2s.	9 0	6 9
British Oxygen Co., ord. stock ...	100 0	90 0
British Pepper & Spice Co., stock	43 9	43 9
British Xylonite Co., ord. stock ...	160 0	120 0
Burt, Boulton & Haywood, ord.	28 3	26 3
Bush (W. J.), & Co., ord. ...	87 6	85 0
Camwal, ord.	20 0	20 0
Cooper, McD. & Robertson, ord.	42 6	37 6
Cow, *(P.B.) & Co., ord. stock, 4s.*	21 6	19 6
Cow & Gate, ord. stock, 1s. ...	3 10½	3 6
Crosfield, J., & Sons, 5% cum. pre-pref.	26 10½	26 6
Cussons Sons & Co., ord. stock, 2s.	24 6	22 6
Distillers, ord. stock, 4s. ...	30 3	26 3
Dubarry Perfumery Co., ord., 1s.	5 6	4 9
Dunlop Rubber Co., ord. stock ...	77 0	68 9
Energen Foods Co., ord., 2s. ...	8 6	8 6
Eno Proprietaries, 5½% cum. pref.	26 3	26 3
Eucryl, stock, 2s.	5 0	6 3
Evans Medical Supplies, ord. stock	47 6	47 6
Field, J. C. & J., ord., 10s. ...	26 3	25 0
Fisons, ord. stock	70 0	56 10½
Galloway, P. H., ord., 2s. ...	5 3	5 0
Genatosan, 8% cum. pref. ...	36 3	36 3
Gillette Safety Razor Co. shares (no par value)	$46.50	$44.50
Glaxo Laboratories, ord. stock, 10s.	450 0	370 0
Glaxo Laboratories, 8% cum. prefd. ord. stock, 10s.	20 3¾	19 8¼
Gossage, W., & Sons, 5% 1st cum. pref.	26 3	26 3
Greeff-Chemicals Holdgs., ord. 5s.	16 9	14 0
Griffiths Hughes Proprietaries, ord.	41 3	33 9
Guiterman, S., ord. stock, 2s. ...	4 4½	4 6
Hampshire, F. W., stock, 5s. ...	90 0	87 6
Horlicks, stock, 5s.	36 3	30 7½
Hovenden, R., & Sons, 7% cum. "A" pref.	26 3	26 3

£1 unit unless otherwise stated	Jan. 30 1948	Feb. 27 1948
	s. d.	s. d.
Idris, "A" ord.	38 9	38 9
Ilford, ord. stock, 5s.	26 10½	23 9
Imperial Chemical Industries, ord.	50 9	45 0
Imperial Chemical Industries, 7% cum. pref. stock	36 7½	36 10
International Sponge Importers, ord. stock, 5s.	8 1½	7 0
Kent, G. B., & Sons, 5% cum. ptpg. pref., 12s. 6d.	17 6	17 6
Kershaw, A., & Sons, ord., 1s. ...	2 4½	2 4
Kleeman, O. & M., ord. stock, 1s.	33 9	27 6
Laporte, B., ord. stock	93 9	22 6
Lever Brothers & Unilever, ord.	55 7½	50 0
Lewis & Burrows, ord. stock ...	30 0	30 0
Lewis & Peat, ord., 1s.	2 10½	2 7
Liebig's Extract of Meat, ord., £5	370 0	310 0
Macleans, 4% red. cum. pref. ...	21 3	21 3
Mellin's Food, 6% cum. pref ...	10 0	7 6
Milton Antiseptic, ord., 10s. ...	32 6	25 0
Mono Containers, 5s.	17 6	17 6
Monsanto Chemicals, ord., 5s. ...	66 3	57 6
Pears, A. & F., 5% deb. stock, irred.	135%	135%
Potter & Clarke, ord. 1s. ...	5 6	5 0
Reckitt & Sons, ord. stock	116 3	125 0
Rolls Razor, prefd. ord., 10s. ...	26 3	26 3
Sangers, ord. stock, 5s.	35 0	31 3
"Sanitas" Trust, ord., 10s. ...	25 0	23 9
Savory & Moore, 5½% 1st red. cum. pref. stock	23 1½	22 10¼
Sherley, A. F. & Co., 8% cum. prefd. ord.	23 9	23 9
Smith & Nephew Associated Cos., ord., 4s.	19 6	19 0
Southalls (Birmingham), stock, 5s.	46 3	43 9
Sternol, 8% cum. ptpg. prefd. ord., 10s.	14 0	14 0
Stevenson & Howell, ord. stock, 5s.	28 0	27 6
Taylors, Cash Chemists, London, 6% cum. pref.	30 7½	30 0
Taylors, Cash Chemists, Trust, 6% cum. pref.	30 7½	30 0
Taylor's Drug Co., 7% "A" cum. pref.	32 10¼	32 6
United Glass Bottle, ord. stock ...	87 6	86 3
Veno Drug Co., 12% cum. prefd. ord.	45 0	43 9
Virol, ord.	75 0	75 0
Viscose Development Co., ord. stock, 5s.	12 6	11 10½
Vitamins, 1s.	5 3	4 9
Wesley, Harold, 5s.	17 6	15 0
Whites (Timothy) & Taylors, ord., 5s.	43 9	37 9
Whites (Timothy) & Taylors, 7½% cum. pref.	37 6	36 3
Wright, Layman & Umney, 7% cum. pref.	31 3	31 3
Yardley & Co., ord., 4s.	64 4½	62 6
Yardley & Co., "A" ord., 4s. ...	64 4½	62 6
Yeast-Vite, 6½% cum. pref. ...	27 6	27 6

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real names and address to the Editor.

Red Bottles for Poisons

Sir,—Have bottle manufacturers ever onsidered the possibility of making light d poison bottles instead of the practically paque dark blue or green glass poisons? I onsider a red shade would have many dvantages.

Yours faithfully,
Newcastle, Staffs. W. P. Richards.

Date of a Pill Tile

Sir,—I notice Mr. Christopher's letter n your issue of February 14 and your remarks on the pill tile. I think the tiles vere mostly made at Lambeth in the 17th entury, though the only dated example t present known is of 1703. It is a moot oint whether these beautifully decorated iles were in fact used for making pills, or vere hung up in the shop to show that he owner was a member of the Society of Apothecaries.

Yours faithfully,
Ilford. Geoffrey E. Howard.

Labelling of Ampoules

Sir,—You are reminded that the labelling of ampoules of anæsthetic drugs has been under discussion for some time (see C. & D., 1947.II.429). It is hoped that, in the very near future, a set of recommendations arising from discussions between the Association of Anæsthetists, the Wholesale Drug Trade Association and this Association, under the ægis of the Ministry of Health, will be finalised. Thereupon, the text will be communicated to all known manufacturing interests and the technical Press.

Yours faithfully,
R. Murdin Drake,
Joint Manager,
Association of British Chemical
London, W.1. Manufacturers.

Dispensing Technicians

Sir,—I must confess to a considerable amount of satisfaction that, six years after I mooted the registration of "dispensing technicians," the idea meets with the approval of our pharmaceutical senators. There are a large number of Apothecaries' Hall, near-qualified, and "experienced" dispensers who just cannot be ignored, particularly when most retail pharmacists are only too pleased to utilise their services. The obvious thing to do is for the Society to create a special register for these technicians, and even to grant them an interest in the Society by way of associate membership. This would give the Society some means of control and supervision. Once the register is formed, not another name should be added. The ideal must be "dispensing by pharmacists only." The Health Service Act—if and when it operates — will create a need for technicians, and the Society should now create the necessary register so that control of these workers can be made possible under the N.H.S. legislation.

Yours faithfully,
London, W.C.2. J. Ross-Mansell.

Employees on Whitley Council

Sir,—The representation of contractors on the pharmaceutical Whitley Council (see *C. & D.*, February 28, p. 262) is logical and based upon parity among those concerned. A different story emerges when considering the "staff side" committee, which deals with the interests of those who are working in N.H.S. at every level. Here the representation is completely different from that of, for example, the Functional Council for Optics, on which employees are represented according to their numbers. If it were not that so much was at stake, it would be amusing to observe that three small groups, whose combined membership figures (including apothecaries' assistants and unqualified dispensers) can hardly reach, at the outside, a total of 1,163, are given eight representatives to look after the interests of "salaried employees under local authorities," while salaried employees (9,000 to 10,000 strong) in shops, who are in direct contact both with dispensing and with insured persons, are unrepresented. The Registered Pharmacists' Union, with its composition of 60 per cent. employee and 40 per cent. self-employed pharmacist members, is alive to the dangers of the situation, and is setting up machinery to deal with this undesirable aspect of the new organisation.

Yours faithfully,
G. H. Armitage, *General Secretary,*
Registered Pharmacists' Union.
East Barnet.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, March 3

THE position of all sections of the PHARMACEUTICAL and FINE CHEMICALS markets remains little changed, with business on a routine level and most products held at previously quoted values. Manufacturers are still awaiting guidance on price control, but it is evident that in several instances higher costs of production would justify increases in selling prices. In AROMATIC CHEMICALS both synthetic products and isolates are in fairly good supply and demand is brisk.

Crude Drugs

All sections of the BOTANICAL DRUGS market report quiet conditions with only a small business during the past week. Prices of the majority of drugs are steady but there have been a number of small reductions. Cape ALOES are easier and a further shading of the Curaçao variety is noted. Lower quotations are given for ARNICA FLOWERS. COPAIBA BALSAM is easier with sellers of Parà soluble quoting prices as low as 4s. per lb. for spot supplies, although most holders are asking rather higher prices. GENTIAN has been reduced by 5s. per cwt. GUM ACACIA on the spot may be bought for 68s. per cwt., two shillings per cwt. lower than a week ago. Nicaraguan and Colombian IPECACUANHA is steady on spot but shipment values are lower. Confirmation has been received that Matto Grosso ipecacuanha is to be imported and forward business has been done at 27s. 6d. per lb., c.i.f. An interesting arrival, the first for some years, is that of seven cases of Shensi RHUBARB; the root is sound and of good fracture, but prices are high in comparison with the rough-round material offered at the present time. In the SPICES markets, CHILLIES and GINGER are easier items; there is little, if any, TURMERIC on the spot.

The Board of Trade announces the return to private channels of imports of DERRIS and similar rotenone-containing materials; for the time being importers will be required to purchase from Government stocks one ton for each ton imported. Acquisition and disposal of derris are still controlled.

Essential and Expressed Oils

Further importations of ALMOND OIL, B.P., from Spain, have caused an easing of market prices after a long period of firmness. In ESSENTIAL OILS, a decline in shipment prices for LEMONGRASS has been responsible for lower spot quotations in the last few days. LAVANDIN continues firm and a firmer tone is displayed for LIME OIL. With a renewal of shipment offers of PALMAROSA some holders are prepared to shade their prices although spot supplies are very short.

U.S. Drug and Chemical Report

New York, February 27

ALTHOUGH late-seasonal inquiries for MENTHOL are expected to keep the price at $8.75 to $9.00 per lb. for the next few days, a sharp break is expected in March and April. Some trade sources point out, however, that the Brazilian Government is still issuing export licences for menthol at a minimum equivalent of $8.75 per lb., duty paid, although shortage of dollars is expected to stimulate production in the Far East.

Prices of normal BUTYL ALCOHOL and normal BUTYL ACETATE are likely to be reduced for March delivery unless grain prices show a further recovery. MERCURIALS are also expected to be marked down in the near future to reflect the lower prices which have been in effect for the metal for some considerable time. PROCAINE PENICILLIN, recently introduced by two manufacturers, is commanding considerable attention. This product, it is thought, will rapidly replace penicillin in wax and oil. A COUMARIN producer is to increase his price to $3.00 per lb.

Although CRUDE DRUGS are at considerably lower price levels than they were some months ago, it is generally believed that the cost of new-crop goods will be as high as, if not higher than, last season. Most imported BOTANICALS display considerable strength because of the small supplies here and the limited quantities offered for shipment from abroad. Activity in the ESSENTIAL OILS market has again been on a small scale but greater demand from cosmetics manufacturers is expected in the weeks ahead.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 6d. per lb. for crystals and 2s. 7d. per lb. for powder.

ACETOMENAPHTHONE.—Prices range from about 1s. 2d. to 2s. per gm., as to quantity.

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYL BROMIDE and METHYLNITRATE, 75s.

BENZALDEHYDE.—Prices of B.P.C. quality are from 4s. 9d. to 5s. 6d. per lb.

COBALT SALTS.—Makers quote BROMIDE at 16s. per lb. and IODIDE at 45s. per lb.

DIGITALIN, B.P.C.—Current quotations are from 9s. to 11s. 6d. per gm.

DITHRANOL, B.P.—Makers ask 175s. per lb. for this product.

EMETINE.—Makers' rates per oz. are as follows: HYDROCHLORIDE, 1 oz., 202s.; 4 oz., 195s.; 16 oz., 192s. 6d.; 32 oz., 190s. BISMUTH IODIDE, 1 oz., 101s. 6d.; 4 oz., 100s.; 16 oz., 98s. 6d.; 32 oz., 97s.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HORMONES. — PROGESTERONE, B.P., is quoted at 49s. 6d. per gm. and ŒSTRONE, B.P., at £17 15s. to £21 per gm. STILBŒSTROL.—Quotations for this analogue and its DIPROPRIONATE are from 1s. 10½d. to 2s. 6d. per gm. HEXŒSTROL is priced from 2s. 3d. to 2s. 6d. per gm.; DIENŒSTROL, from 3s. 3d. to 4s.

IODINE PREPARATIONS.—Makers' prices per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s. 1d. SODIUM IODIDE, B.P.—28 lb., 12s. 1d. IODOFORM, B.P.—28 lb., powder, 15s. 7d.; crystals, 17s. 7d. RESUBLIMED IODINE, B.P.—1 cwt., 12s. 8d. Orders of 28 lb. and upwards may be comprised of assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt., in one delivery, or on contract for delivery within three months.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

LOBELINE HYDROCHLORIDE. — May be bought at prices from 150s. per gm. upwards.

MANDELIC ACID.—Current prices per lb. are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURY SALTS.—Makers' prices are as follows: AMMONIUM CHLORIDE, B.P., powder, 9s. 5d.; lump, 9s. 3d. BICHLORIDE, B.P., powder, 8s. 1d.; lump or granular, 8s. 8d. MERCUROUS CHLORIDE, B.P., 9s. 4d. RED OXIDE, B.P.C., 10s. YELLOW OXIDE, B.P., 10s. 7-lb. lots are 6d. per lb. less than above prices; other quantities in proportion.

MORPHINE.—Prices per oz. current in the home market are: ALKALOID, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BIMECONATE and TARTRATE, as ALKALOID; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

NICOTINIC ACID.—Makers' list price is 65s. per lb.; in quantities of 14 lb., 62s. 6d., with price of other amounts in proportion.

NICOTINAMIDE is quoted at 140s. per lb.; 14 lb., 132s. 6d.

NIKETHAMIDE, B.P. — Current quotations are at 150s. per lb.

POTASSIUM PERMANGANATE. — Makers' rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station (or port of departure for N. Ireland), containers extra and returnable.

STROPHANTHIN.—Makers' quotations for B.P. is at 14s. per gm. and for OUABAIN (STROPHANTHIN K), 8s. 6d. per gm.

STRYCHNINE.—Makers' current rates per oz. are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
Alkaloid ...	6 2	6 0	5 10½
Bisulphate ...	5 4	5 2	5 0½
Hydrochloride	5 11	5 9	5 7½
Hypophosphite	9 8	9 6	9 4½
Nitrate ...	5 11	5 9	5 7½
Sulphate ... (neutral powder No. 2)	4 11	4 9	4 7½
Sulphate ... (neutral crystal and powder)	5 6	5 4	5 2½

QUININE.—Makers' rates (per oz.) to distributors are given below. Additional charges must be added for repacking, etc. ALKALOID, from 5s. 7d. to 6s. 1d.: ACETYLSALICYLATE, 7s. to 7s. 6d.; BISULPHATE and SULPHATE, 4s. to 4s. 6d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 5s. 2d. to 5s. 8d.; FORMATE, GLYCEROPHOSPHATE and PHOSPHATE, 6s. to 6s. 6d. HYDROBROMIDE and HYDROCHLORIDE, 5s. to 5s. 6d.; HYPOPHOSPHITE, 7s. 6d. to 8s.; SALICYLATE, 5s. 1d. to 5s. 7d.; TANNATE, 3s. 4d. to 3s. 10d.; VALERIANATE, 25s. QUININ. ET ÆTHYL. CARB. is quoted from 8s. 6d. to 9s. and QUININ. ET UREÆ HYDROCHLOR. from 5s. 2d. to 5s. 8d. per oz.

SILVER SALTS.—NITRATE is quoted at 2s. 9d. per oz. and PROTEINATE at 30s. 6d. per lb. Quotations for VITELLINATE are 55s. per lb. for 20 per cent. and 72s. 6d. for 30 per cent. COLLOIDAL SILVER is priced at 120s. per lb.

THEOPHYLLINE ETHYLENE DIAMINE. — The current price is 97s. 6d. per lb.

Crude Drugs

ALOES.—Cape is easier at 155s., spot; shipment offers are at 140s. to 142s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s. per cwt., c.i.f. Socotrine on spot is quoted at 156s. to 190s., but there is no interest in this variety.

ARNICA FLOWERS.—Quotations are from 2s. 3d. to 2s. 6d. per lb., spot.

BALSAMS.—*Canada*, in short supply, is firm at 18s. 6d. per lb., spot. Pará *Copaiba*, spot, 4s. 6d. to 5s. per lb. for soluble. *Peru*, San Salvador, is offered at 6s. to 6s. 3d. per lb., duty paid. *Tolu* on spot, 19s. to 19s. 6d. per lb. quoted.

BELLADONNA HERB.—A parcel complying with B.P. standards is offered at 5s. 6d. per lb. In good demand.

CAMPHOR.—Chinese tablets (¼-oz.) are quoted at 11s. 3d. per lb., spot; refined powder (B.P.), 10s. 3d. Formosa (B.B.), 9s. 6d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb. Japanese tablets (¼-oz.) are offered at 9s. 3d. per lb.; powder (B.P.), 8s. 6d. to 9s.; slabs, from 9s., all spot, duty paid.

CARDAMOMS. — Steady. Mangalore: Half-bleached A's, 8s. 6d. per lb., spot; B's, 8s., seeds, 6s. 9d. Aleppy seeds are dearer with 8s. 6d. per lb. quoted for No. 1; Aleppy greens, 6s. 3d.; extra bold, 7s.

CASCARA SAGRADA.—Quiet. 1947 peel is quoted at 265s. to 270s. per cwt., according to holder; 1946 is at 270s. to 275s.

CHILLIES.—Mombasa is quoted at 120s. per cwt., spot; Sierra Leone, 115s., nominal; Nigerian, 100s.

CINCHONA BARK.—The first auction of this drug since the outbreak of war, on February 26, attracted considerable interest. The offerings comprised eighty-nine packages of Tanganyika bark, for which the demand was brisk. Quills realised 3s. 10d. per lb., while chips, with a good test, made from 3s. 6d. to 3s. 9d. per lb.

CINNAMON.—Quillings are offered ex-store at 1s. 6d., featherings at 1s. 3d., and chips at 9d. per lb.; 0000 quill, to arrive, 2s. 4½d., c.i.f.

COCOA BUTTER. — Maximum controlled price is 4s. 11½d. per lb., delivered.

COLCHICUM.—Jugo-Slav corms are quoted at 9s. 9d. to 10s. per lb., spot.

COLOCYNTH.—Fine-white pulp, spot, is quoted at 1s. 8d. per lb.

GENTIAN.—French natural on the spot is easier at 75s. per cwt.

GINGER.—Jamaica No. 1 is quoted at 115s. per cwt., spot; No. 2, 97s. 6d. to 100s.; No. 3, 92s. 6d.; new-crop No. 3, February-March, 87s. 6d., c.i.f. Sierra Leone is offered at 62s 6d.; new-crop, March-April shipment, 50s., c.i.f.

GUM ACACIA.—Quiet. Kordofan cleaned sorts, 68s. per cwt., spot London; March-April shipment, 61s. 6d., c.i.f. Bleached No. 1, quoted at 140s., ex store. Talha cleaned, 40s. per cwt., ex warehouse; shipment, 37s., c.i.f.

HENNA.—Egyptian is offered at 125s. per cwt., ex warehouse; Indian, from 100s.

IPECACUANHA.—Nicaraguan is offered at 28s. 6d. per lb., spot; shipment, 25s. 6d., c.i.f.; Colombian root, 28s., spot, and 23s. per lb., c.i.f. Brazilian (Matto Grosso), shipment, 27s. 6d., c.i.f.

JABORANDI LEAVES.—Quotations for f.a.q. material are at 11d. per lb.

LIQUORICE.—Anatolian natural root is at 55s. per lb., spot, with new arrivals coming forward. Syrian natural is offered at 45s. per cwt. on the spot. Italian block, 375s. per cwt., spot. Italian stick (1-oz. and 2-oz.) is quoted from £450 to £535 per ton, as to quantity and grade. Turkish block is offered at around 240s. per cwt.

LYCOPODIUM.—Russian sifted is offered at 12s. 6d. per lb., spot; Indian, 12s.

MENTHOL.—Brazilian on the spot is offered at 43s. to 45s. per lb., duty paid.

RHUBARB. — Steady. Chinese rough-round on the spot is quoted from 5s. to 6s. 6d. per lb., according to fracture; a No. 3 root is available at 3s. 6d. Shenshi flats or rounds are offered at 10s. to 12s. 6d. per lb., spot.

SEEDS.—Quiet. ANISE.—Cyprus, 1s. 9d. per lb.; Turkish, 1s. 8½d. per lb., duty paid, spot London or Liverpool. CARAWAY.—Dutch is offered at 11½d. per lb., duty paid, spot London. CELERY.—Indian quoted at 1s. 3½d. per lb., spot London. CORIANDER.—Argentine, on spot, is offered at 45s. per cwt., duty paid; and split seed at 40s. per cwt., duty paid; Morocco old-crop, for shipment, quoted at 55s. per cwt., c.i.f. London. CUMIN.—Indian quoted at 217s. 6d. per cwt., spot Liverpool; Cyprus offered at 220s. per cwt., spot London. For shipment, Cyprus is now quoted at 205s. per cwt., c.i.f. London. DILL.—Indian is in poor demand at 47s. 6d. per cwt. spot London, and 45s. per cwt., ex store Liverpool. FENNEL. — Indian, spot London, offered at 72s. 6d. per cwt., and 71s. 6d. per cwt., ex store Liverpool. FENUGREEK. —Indian offered at 47s. 6d. per cwt., spot London, and business reported at 45s. per cwt., spot Liverpool.

SENEGA.—Quiet. Spot is offered at prices from 11s. 3d. to 11s. 6d. per lb.

SHELLAC.—Spot quotations, ex warehouse, are as follows: F.O.T.N., pure, 340s.; Standard No. 1, 345s.; fine orange, 355s. to 395s. per cwt.

UVÆ URSI.—A parcel is offering at 110s. per cwt., spot London.

VALERIAN.—Belgian root is at 175s. to 185s. per cwt., according to holder.

Essential and Expressed Oils

ALMOND.—Spanish (B.P.) sweet oil is now being offered at 9s. 6d. to 11s. per lb. Bitter essential oil is quoted from 30s. to 35s. per lb., according to quality and seller.

ANISE.—Spot, Chinese star in drums is offered at 6s. per lb., and in tins at 6s. 3d., with up to 7s. for smalls; shipment, 5s. 3d., c.i.f.

BAY.—Prices of West Indian are unchanged at 7s. to 8s. 6d. per lb., spot.

CASSIA. — Spot quotations are from 16s. 6d. to 17s. per lb., as to quantity.

CINNAMON.—Ceylon bark oil is available at 12s. 6d. per oz.; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, is quoted at from 8s. 6d. to 10s. 6d. per lb.

CITRONELLA.—Ceylon on the spot is offered from 4s. 6d. per lb., according to quantity; 3s. 9d., c.i.f.; Java, from 11s. to 15s.

CLOVE.—Quotations for English-distilled oil are from 11s. to 12s. per lb.

CORIANDER.—Small supplies of English-distilled oil are available at 250s. per lb.

GERANIUM.—Bourbon is firm at 65s. to 72s. per lb., spot, as to grade and seller.

GINGER.—Prices are quoted from 70s. to 75s. and upwards per lb., according to grade and seller.

GUAIACWOOD.—Merchants quote 18s. to 20s. per lb. for spot.

JUNIPER BERRY.—Imported oil is offered at from 25s. to 30s. per lb.; English distilled (B.P.C.) is available at prices from 35s. per lb.

LAVANDIN.—Spot offers are from 10s. to 12s. per lb., as to grade and quantity.

LEMONGRASS.—Spot supplies are offered at 7s. 6d. to 9s. per lb., according to holder and quantity; forward, 6s. 6d., c.i.f.

ORIGANUM.—Quotations are from 18s. 6d. to 20s. per lb., spot, according to holder.

PALMAROSA.—Spot is quoted at 37s. 6d., c.i.f., 33s. 6d. per lb.

PINE.—*Pumilionis* is quoted at 18s. to 20s. per lb., spot; *sylvestris*, 12s. 6d.

PINE NEEDLE.—Spot is steady at 22s. per lb., for first-grade oil.

ROSEMARY.—Spanish is offered at 8s. to 10s. 6d. per lb., according to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 75s. to 90s. per lb.

SESAME.—Refined edible oil is quoted at from 62s. 6d. to 67s. 6d. per gall. of 9 lb.

THYME. — Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon, 125s. to 145s.

YLANG YLANG.—Bourbon is quoted at 75s. to 100s. per lb., as to grade and seller.

Synthetics and Isolates

A STEADY demand is noted for all types of aromatic chemicals. The supply position is little changed on the months with most products coming forward in adequate quantities. Prices are per lb. and vary according to grade, quantity and seller.

ACETOPHENONE.—10s. 6d. AMYL ACETATE.—2s. 9d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—7s. 6d. to 8s. AMYL PHENYLACETATE.—7s. 6d. to 12s. 6d. AMYL SALICYLATE.—3s. 6d. to 4s. 6d. AMYL CINNAMIC ALDEHYDE.—17s. 6d. to 20s., easier in price. ANETHOLE.—13s. to 14s. ANISIC ALCOHOL.—55s. to 65s. ANISIC ALDEHYDE.—Perfumers', 25s. to 27s. 6d.; ex anethole, 40s.

BENZALDEHYDE, B.P.C.—4s. 9d. to 5s. 6d. BENZOPHENONE.—12s. 6d. to 13s. 6d. BENZYL ALCOHOL.—Pefumers', 3s. 6d. to 4s. 6d. BENZYL ACETATE.—3s. 6d. to 4s. 6d. BENZYL BENZOATE.—Perfumers', dearer at 5s. 3d. to 6s. 3d. BENZYL CINNAMATE.—12s. 6d. BENZYL ISOEUGENOL.—35s. BENZYL PROPIONATE.—7s. 6d. to 8s. 6d. BENZYL SALICYLATE.—7s. 6d. to 9s. BENZYL SUCCINATE.—20s. to 22s. 6d. BENZYLIDENE ACETONE.—16s. to 17s. 6d. BORNEOL.—10s. 6d. BORNYL ACETATE.—10s. to 12s. 6d. BROMSTYROL.—32s. 6d. to 35s. BUTYRIC ACID.—8s.

CINNAMIC ALCOHOL.—17s. 6d. to 18s. 6d. CINNAMIC ALDEHYDE.—6s. 6d. to 8s. CINNAMYL ACETATE.—24s. 6d. CINNAMYL BUTYRATE.—25s. CITRAL.—15s. to 40s., according to grade. CITRONELLAL.—50s. CITRONELLOL.—Ex Ceylon, 30s to 32s. 6d.; ex Java, 45s. to 50s. COUMARIN.—19s. to 20s.

DIETHYL PHTHALATE.—2s. to 2s. 6d. DIMETHYL BENZYL CARBINOLE.—50s. DIMETHYL HYDROQUINONE.—40s. to 42s. 6d. DIPHENYL METHANE.—6s. 6d. to 7s. DIPHENYL OXIDE.—5s. 6d.

ETHYL BENZOATE.—5s. 6d. to 6s. 6d. ETHYL BUTYRATE.—8s. to 9s. ETHYL CINNAMATE.—12s. 6d. ETHYL OENANTHATE. — 20s. to 40s., as to seller. ETHYL PHENYLACETATE.—7s. 6d. to 8s. ETHYL SALICYLATE.—5s. to 6s. EUCALYPTOL.—10s. to 12s. EUGENOL.—13s. 6d. to 16s.

GERANIOL.—Ex Ceylon, 25s. to 27s. 6d.; ex Java, 38s. to 45s. GERANYL ACETATE, ex Java.—40s. to 45s.

HELIOTROPINE.—22s. 6d. to 25. HYDROXYCITRONELLAL.—65s. to 80s.

INDOL (per oz.).—18s. 6d. to 20s. IONONE (100 per cent.).—37s. 6d. to 40s. ISOBUTYL BENZOATE.—6s. to 8s. 6d. ISOBUTYL ACETATE.—2s. 9d. to 3s. 6d. ISOBUTYL SALICYLATE.—6s. to 7s. ISOEUGENOL.—17s. to 19s. 6d. LINALOL.—50s. to 52s. 6d. LINALYL ACETATE.—52s. 6d. to 55s.

METHYL ACETOPHENONE.—12s. 6d. to 14s. METHYL ANTHRANILATE.—17s. 6d. to 18s. 6d. METHYL BENZOATE.—6s. to 6s. 6d. METHYL CINNAMATE.—12s. 6d. to 13s. METHYL PHENYLACETATE.—7s. 6d. to 8s. 6d. METHYL IONONE.—42s. 6d. MUSK KETONE.—45s. MUSK XYLOL.—13s. MUSTARD OIL.—Easier at 16s. 6d. to 18s.

NEROLIN BROMELIA.—17s. 6d. NEROLIN YARA YARA.—9s. 6d. to 10s. 6d.

PARACRESYL ACETATE.—8s. 6d. PARACRESYL PHENYLACETATE.—10s. 6d. to 12s. PHENYLACETALDEHYDE.—60s. PHENYLACETIC ACID.—7s. to 8s. 6d. PHENYLETHYL ALCOHOL.—20s. to 22s. 6d., easier. PHENYLPROPYL ALCOHOL.—25s. RHODINOL.—170s. to 180s.

SAFROLE.—10s. 6d. SANTALOL.—100s. STYROLENE ACETATE.—10s. 6d. to 11s. 6d.

TERPINEOL.—5s. 3d. to 5s. 9d. TERPINYL ACETATE.—12s. 6d. to 13s. 6d.

TRADE MARKS

(*From "The Trade Marks Journal," February* 11)

"MORCO"; for adhesive preparations for surgical bandages, fullers' earth, and chemical substances for preserving foodstuffs (1). By Moore's (Sheffield), Ltd., 8 Granville Street, Sheffield, 2. 653,544.

"CHEMETIC"; for non-medicated toilet preparations for the hair (3). By Evans Chemicals, Ltd., 3 Warwick Road, Elstree Way, Boreham Wood, Herts. 651,398.

"MAXICON"; for soaps (other than toilet soaps), detergents, and cleaning preparations (3). By H. Russell (Soaps & Disinfectants), Ltd., Kirkby Trading Estate, nr. Liverpool. 653,809.

"ANTILOPE"; for perfumes, eau de Cologne, toilet powders (not medicated), and lipstick (3). By Parfums Weil Paris, 15 rue Cortambert, Paris. 653,029.

"MELAY"; for toilet preparations (not medicated) and cosmetics (3). By Walden & Co. (Nufix), Ltd., Rookery Way, London, N.W.9. 654,251.

"KOLWIK"; for soaps, etc. (3); for disinfectants, antiseptics and preparations for killing weeds and vermin (5). By Rigby Chemicals, Ltd., Silwood Street, London, S.E.16. 655,116-17 (Associated).

"SPIRODA"; for pharmaceutical preparations and substances for veterinary use (5). By the Hatchwell Co., Ltd., 3 Byron Street, Preston. 650,933.

"VELSECT"; for insecticides, fungicides and preparations for killing weeds and vermin (5). By the Hygienic Chemical Co., Ltd., Duplex Ride, London, S.W.1. 652,234 (Associated).

"HERBANA"; for pharmaceutical preparations for human and veterinary use, infants' and invalids' foods, sanitary substances, medical and surgical plasters, disinfectants and preparations for killing weeds and vermin, all consisting of or containing herbs; material for stopping teeth; and dental wax (5). By Campbell Newbigging, 6 Gillespie Place, Edinburgh. 652,348.

"VIVAFORT"; for infants' and invalids' foods consisting principally of cocoa, sugar, dextrose, cereals, vitamins and minerals (5). By Viva, Via Ciseri 3, Lugano, Switzerland. 652,566.

"ALVITAS"; for tonic medicines (not being in the nature of wines); "CODOLACT"; for pharmaceutical preparations and substances for human use; "NAZODRINE"; for pharmaceutical preparations and substances for use in the treatment of nasal disorders (5). By Kamisa Laboratories, Ltd., Plantation House, 31 Fenchurch Street, London, E.C.3. 653,132, 653,134 and 653,137.

"AMECHOL"; for pharmaceutical preparations and substances (5). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 655,001.

"HERTOPLAST"; for medicated plasters for human use (5). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. 655,010.

"TRIX"; for electrically operated instruments and apparatus for surgical, medical, dental and veterinary purposes, but not including surgical cutlery (10). By the Trix Electrical Co., Ltd., 1 Maple Place, London, W.1. 652,363.

"DROXALIN"; for all goods (5). By Scott & Turner, Ltd., Andrews House, Gallowgate, Newcastle-on-Tyne. 655,043.

"VAGIVAL"; for medicated tablets for use in the treatment of diseases of the vagina (5). By Gee Lawson Trading Co., Ltd., Orchard Street, London, W. 655,079.

"RUALGIA"; for medicated powders and tablets (5). By the Lulworth Chemical Co., 70 Castleton Boulevard, Skegness, Lincs. 655,394.

"AEROSPORIN"; for all goods (5). By the Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 655,430.

"BIFERONE" "CAMOLLIENT"; for medicated preparations (5). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 655,460-61.

"VETSAN"; for disinfectants and insecticides, all for veterinary use (5). By Cupal, Ltd., Phoenix Mill, King Street Bridge, Blackburn, Lancs. 664,260.

"PEDALLA"; for medicated ointments (5). By Siebe, Gorman & Co., Ltd., Davis Road, Tolworth, Surrey. 664,946.

"ARENCO"; for photographic, scientific and optical apparatus, etc. (9). By Arenco Aktiebolag, Alströmergatan 20, Stockholm, Sweden. 647,498 (Associated).

"CROWTOWN"; for scientific, photographic and optical apparatus, etc. (9). By Townsend & Crowther, Cambridge Road, Walsworth, Hitchin, Herts. 653,473.

"P.P.I." monogram; for photographic apparatus and appliances (9). By the G.B. Montgomery Manufacturing Co. (Glasgow), Ltd., 95 Bath Street, Glasgow, C.2. B654,488.

"MULTITOGRAPHY"; for photographic films and plates, instruments, apparatus, etc. (9). By Wallace Heaton, Ltd., 127 New Bond Street, London, W.1. 654,925.

"WINDAK"; for electrically heated blankets (10). By Baxter, Woodhouse & Taylor, Ltd., Queen's Buildings, St. Peter's Square, Stockport. 655,321.

"PERFEX"; for combs, sponges, brushes included in this Class, etc. (21). By Pirie-Johnston Patents, 19 Durham Road, Portobello, Midlothian. 652,985.

(*From "The Trade Marks Journal," February* 18)

"HALVOPON"; for detergents, toilet peparations (not medicated), cosmetics and shampoos (3). By Marchon Products, Ltd., Rylstone, Holders Hill Crescent, London, N.W.4. 652,721-22 (Associated).

"LINGFO-SWEET"; for sweetening materials in Class (1). By Joseph Lingford & Son, Ltd., 5 Durham Street, Bishop Auckland, co. Durham. 655,359.

"AIRPHIBIAN"; for soaps, perfumes and essential oils (3). By Valay Industries, Ltd., 361 Goswell Road, London, E.C.1. 655,422 and 655,424 (Associated).

"BLENOCREEM"; for toilet peparations for the hair (3). By Norman Blenkin, Woodhead Road, Berry Brow, Huddersfield, Yorks. 650,380.

"DAPHNIS"; for non-medicated toilet preparations, cosmetics, perfumes and perfumed soap (3). By Luce's Jersey Eau-de-Cologne Co., 42 King Street, Jersey, Channel Islands. B652,786.

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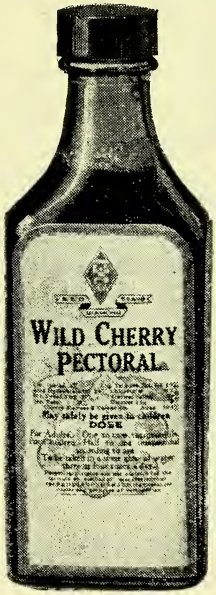

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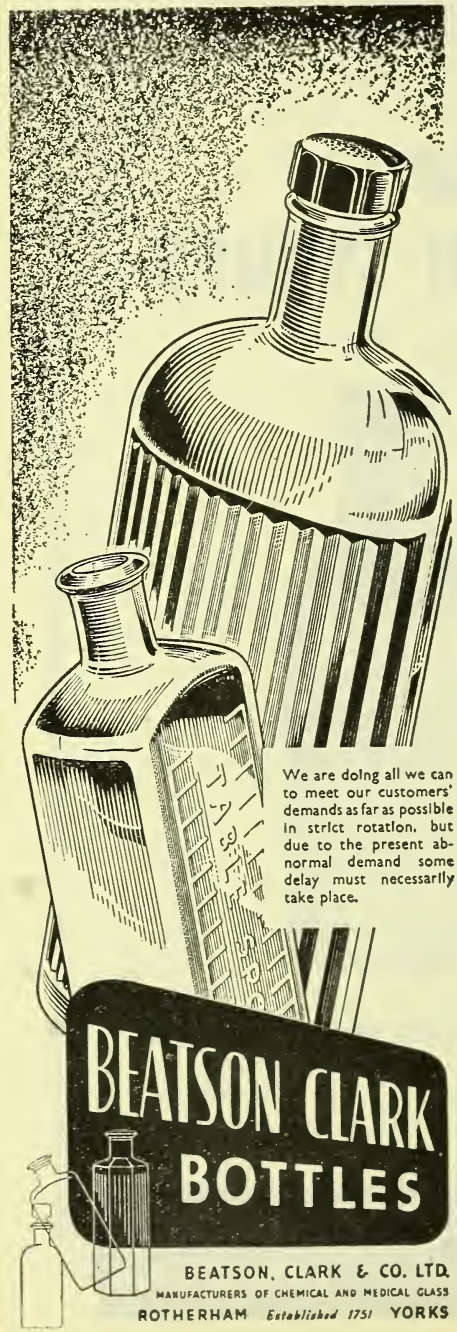

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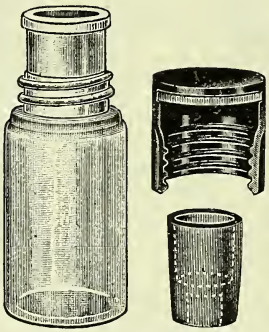

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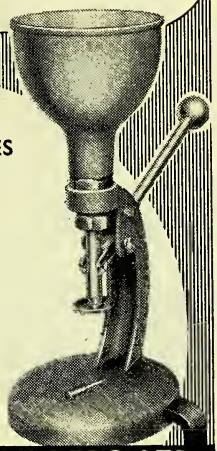

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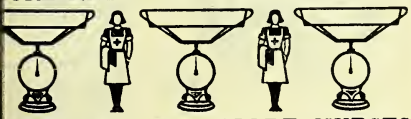

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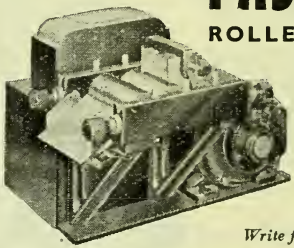

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★ The **SAFETY BOTTLE**

WITH **ALL** THE SELLING POINTS

REGD. TRADE MARK

PATENT NOS.
530164/516731
538564

- EASY FILLING
- NO AIR LOCK
- NO SPLUTTER
- EASY STOPPERING
- NO LEAKAGE
- STOPPER CANNOT GET LOST
- NO BANDS TO BREAK
- CENTRE CANNOT COME OUT
- COMPLETELY VULCANISED
- LONGER RADIATION
- SEAMLESS THROUGHOUT
- ALL RUBBER
- BEAUTIFUL COLOURS AND DESIGNS
- ENTIRELY BRITISH

WILLIAM FREEMAN & COMPANY LIMITED

SUBASEAL WORKS, PEEL STREET, BARNSLEY

Telegrams: "SUBASEAL, BARNSLEY

Telephone: BARNSLEY 4081

THE **"MATER"**

CLINICAL REGD.

The position of the Mercury column is at once perfectly plain. Red markings above 100.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
8 HATTON GARDEN
LONDON, E.C.1
Telephone: 0724 Holborn
Telegrams:
"Optimus, Smith, London"

Wholesale Agents for Clinical Thermometers:
FASSETT & JOHNSON, LTD.
86 Clerkenwell Rd. London, E.C.1

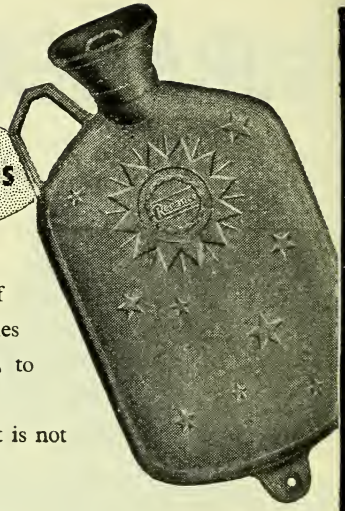
EVERETT hypodermic equipment

S. & R. J. EVERETT & CO. LIMITED
939 LONDON ROAD, THORNTON HEATH, SURREY

Reliance

MOULDED SEAMLESS HOT WATER BOTTLES

THE ORIGINAL BRITISH



In spite of raw material difficulties and the shortage of metal stoppers, the use of hard rubber stoppers enables us to maintain full production—and even, shortly, to introduce new models.

Supplies are being distributed fairly, but we regret it is not yet possible to accept new business.

RELIANCE RUBBER CO. LTD · LOTS ROAD · LONDON · S.W.10

Telephone: Flaxman 6200 and 0985/6 *ESTABLISHED 1889* *Telegrams: 'Doorstop' Fulroad, London.*

ANTHOS

SOLUBLE TOWELS

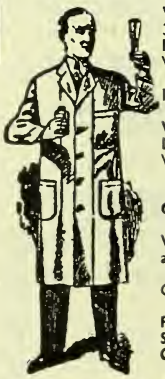
WITH LOOPS

"Than which there is no finer towel"

MADE BY
LAX-VITA LTD. 66 VICTORIA ST. LONDON S.W.1.

GARDINER'S FOR

Overalls



WHITE DRILL JACKETS, 2 coupons
3 Pockets Chest 34"-46" 10/9
LONG COATS, 3 coupons
White or Grey ,, 34"-46" 14/11
,, ,, ,, ,, 48"-52" 17/-
Khaki or Navy ,, 34" 46" 15/9
,, ,, ,, ,, 48" 52" 18/-
WOMEN'S OVERALLS, 3 coupons
Long Sleeves — White Drill,
Wrap Over Style
SW W & WX OS & XOS
12/- 12/9 14/3
Coat Style, Belted,
13/9 14/6 15/8
Wrap Over Style, Saxe, Green and Navy
13/6 14/6 16/-
Coat Style, Belted,
15/10 17/2 18/6
Post 1 or 2—7d. All above Shrunk
State Chest Measurement. Send Cash and Coupons with Order, over £2 Carriage Paid.

GARDINER & CO. (The Scotch House) Ltd.
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station 'Phone: BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
CLAPHAM, S.W.11

OPTREX
PRODUCTS

OPTREX: A scientific eye lotion, sterile, and carefully balanced in its ingredients, which is produced under conditions of clinical asepsis. Approved by doctors, oculists and opticians; can safely be used for all eyes, of all ages, at all times.

FAMEL SYRUP: For coughs, colds, influenza and bronchial troubles. Gets to the root of the cough because it contains soluble Lacto-creosote, which goes to the lungs and breathing passages and there destroys the germs.

★**OPTULLE:** An open-mesh, sterile, non-adherent dressing, impregnated with a special petroleum compound. Mildly antiseptic and non-irritant. Greatly facilitates dressing and re-dressing of burns, septic wounds, indolent wounds, sloughs, varicose ulcers and fractures. Packed in tins, containing 24 pieces, also in continuous strips 5 yards long by 8 inches wide.

★**SULPHONA-TULLE:** Of outstanding value for treatment of burns, and in other cases where sulphanilamide is indicated. An open-mesh dressing impregnated with an emulsion containing 10% Sulphanilamide. Supplied in a small light compact case. In continuous strips, 5 yards by 3½ inches, ready for instant use.

★**SULPHONA-CREAM:** Sulphona-Cream is supplied in tubes. It can be used as an ointment or applied on a sterile spatula direct to a diseased or injured area, or spread on gauze, linen or oiled silk.

★ *Sole Distributors for Optulle, Sulphona-Tulle and Sulphona-Cream:*

CHAS. F. THACKRAY LTD., THE OLD MEDICAL SCHOOL PARK STREET, LEEDS, and 38 Welbeck Street, London, W.1

All these products are manufactured by:

PERIVALE **OPTREX** Ltd. MIDDLESEX

WIDE MARKET SURVEY REVEALED DEMAND

THE introduction of 'Tibs' Cough Powders has been made after a comprehensive research into the methods of treating coughs and bronchial disorders in cats and the potential market for a reliable remedy.

The investigation revealed that the demand is already considerable, and that in view of the high incidence of coughs in cats, it is capable of development. 'Tibs' Cough Powders are backed by the long experience and veterinary knowledge of the Bob Martin Laboratories and are subject to searching tests at every stage in production. Distributed in a newly designed green-and-yellow carton containing 15 powders to sell at 1/6d. including increased Purchase Tax. (Wholesale: 11/- per dozen excluding tax.)

★ ★ ★

'TIBS' WORM TABLETS are a safe simple home worming treatment for cats. They are now distributed on new green-and-yellow hanging display cards. Each card holds 12 cartons.

BOB MARTIN LIMITED, SOUTHPORT, LANCASHIRE

NOW SHOWING!

—in hundreds of homes where 16 mm. projectors provide entertainment for the winter evenings

* * *

NOW SHOWING, too, in high-class Photographic Dealers' shop windows up and down the country—"CLAPA" MINIFILMS

* * *

A series of delightful 100 ft. x 16 mm. silent safety films—many titles already available and new ones constantly being added. Each film packed in an attractive "Wedgwood" carton—a really ready-selling line which bring "repeats" as purchasers build up their own film libraries. Place your order early to make sure of prompt delivery.

RETAIL PRICE 30/-

CLAPA
MINIFILMS

Write for full details and Trade Terms:

CLAPHAM PARK FILM STUDIOS LTD
(16 mm. Dept.)
201-5 Clapham Park Road, London, S.W.4

AN EASY PAYMENTS Plan for Saving

Decide how much you want to save in a year. Divide the total by twelve. Sign a Banker's Order Form instructing your bank to buy this amount of National Savings for you every month. The Bank will do the rest free, and without putting you to any more trouble.

You can make a single purchase of Savings Certificates or invest a regular monthly sum in this way. In ten years' time each 10/- Certificate becomes 13/-. With Income Tax at 9/-, that's an increase equal to a taxable yield of £4.16.8 per cent. If you are paying more than 9/- in the £ the investment is even more attractive.

You can hold 1,000 Units of the new Savings Certificates in addition to holdings of Certificates of earlier issues. Ask your Bank for an Order Form.

SAVE—*The Bank Way*

Issued by the National Savings Committee.

THE

GRAND NATIONAL WINNER

"DiDiT" INSECTICIDES

Guarantee the following **RESULTS**

1ST Place RELIABLE PRODUCTS
2ND ,, SATISFIED CUSTOMERS
3RD ,, GENEROUS PROFITS

SPECIAL BONUS OFFERS: 33⅓ Discount Plus an extra 10%
Nationally Advertised and Display Material.

Write for special terms :—

THE RODMILL CHEMICAL CO. LTD.
LIVERPOOL, 3

Phone: North 1393

No hit or miss!

Every batch of Rodine Rat Poison is tested biologically and chemically before being packed.

RODINE

Renowned for fifty years as fatal to rats and mice!

Rodine the original Rat Poison (Phosphorus), also Rodine (Red Squill) the popular 'official' poison for rats.

Licence No. M.A.F. 10046

P.A.T.A.

Sole makers:

T. HARLEY LTD.

RODINE WORKS, PERTH, SCOTLAND

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT

Rubber Ringed for Cushion Comfort

Trade Mark "Totty Pot" Patent-applied for

A NON-CORROSIVE ACID-PROOF HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS

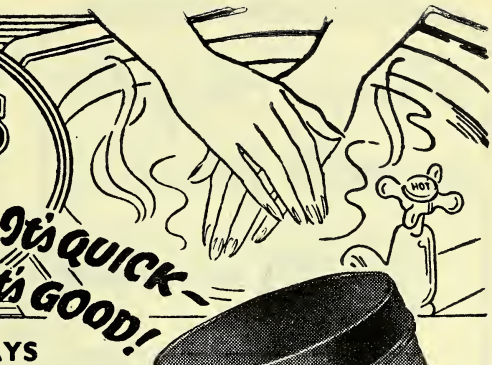
J. BILLIG & SONS LTD., ESTABLISHED 1899

BILTIN WORKS, FONTHILL RD. LONDON N.4.

TELEPHONE: ARCHWAY 2753 & 3858

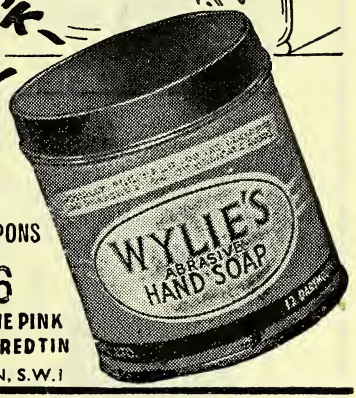
WYLIE'S
Abrasive
HAND SOAP

It's QUICK— It's GOOD!



INVALUABLE IN THESE DAYS OF SOAP SHORTAGE

This is the scarlet and pink tin that catches the customer's eye — outstanding on your shelf, compelling in its attractiveness; WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.



NO COUPONS 1/6 IN THE PINK AND RED TIN

WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

It's CONTINUOUS QUALITY THAT COUNTS

—and this consistently maintained quality will ensure **CONTINUOUS SALES** of COX'S D.D.T. FLY and MOTH PAPERS; so be sure and stock up **NOW** to meet this ready-made demand. **GUARANTEED 100% impregnation and two-year life,** and proved to be the simplest and most effective solution to the fly menace, for **FLIES DIE IN 5-15 MINUTES.**

Cox's D.D.T. FLYPAPERS

JAMES COX & CO.
Manufacturing Chemists
378, NORTHOLT ROAD, SOUTH HARROW, MIDDLESEX.
(formerly of Northwood)
Tel.: BYRon 4326

A new chapter in moth-proofing

FUBEX BRAND

"MOTHOLIN" kills immediately and keeps on killing moth and grub for months after one application without harm to even the most delicate fabrics. It renders clothes, furs and woollens moth-proof without leaving stain, trace or smell.

Retail price 3/6 (no tax)

SHOWS 50% PROFIT ON OUTLAY.

Nationally advertised—Display material on request.

Sole Agents—SPLENDOR LABORATORIES, 7c Lower Belgrave Street, LONDON, S.W.1

Manufactured by—FUBEX LTD, LONDON, W.1 and SITTINGBOURNE

* **"MOTHOLIN" is the new name given to "FLYOLIN" to make its purpose more distinct to the public.**

MOTHOLIN
(Formerly known as FLYOLIN)

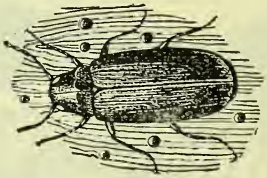
REDUCTION IN PRICES OF CARTONS & DISPLAY CONTAINERS

In October 1944, again in June 1945 and January 1946, we reduced prices by 5% as "our contribution to the avoidance of inflation."

Since then there have been advances in prices principally as a result of increases in material costs, but a further 5% reduction is now made in response to the Chancellor's appeal and in continuation of our policy.

Orders booked before but not delivered by 18th February 1948, will be invoiced at 5% less than contract prices; quotations outstanding at that date will be accepted, subject to material still being available, at 5% less than the figures quoted; future quotations will be estimated on a basis 5% lower than at present.

BOXFOLDIA LTD
BOURNBROOK, BIRMINGHAM



RENTOKIL TIMBER FLUID

the Wood-Worm Destroyer

Will increase ***Your*** sales

National Press advertisements have resulted in many thousands of requests for **RENTOKIL TIMBER FLUID.**

The Public demand is increasing daily. Many say they are unable to obtain supplies locally.— **Are you missing this sale?**

Write for Trade Terms to:

RENTOKIL LTD

SCHOOL LANE, FETCHAM, SURREY
Leatherhead 4021/2
London Office: 168/170 Stockwell Rd., S.W.9
Brixton 6426

NOW GREATLY IMPROVED IN QUALITY AND PERFORMANCE!

NOVO-SOPE

HOUSEHOLD WASHING TABLET

A new formulation enables us to give the public a tablet which:

- ★ Lasts longer.
- ★ Will not soften or break up in use.
- ★ Solves the problem of the soap shortage.
- ★ Lathers extremely well in hard or soft water.
- ★ Is the perfect cleanser.

See Novo-Sope at the Ideal Home Exhibition Stand No. 217

TRADE ENQUIRIES TO:—
BRITISH SOLVATES LTD.
WHARF ROAD, PONDERS END, MIDDLESEX. Telephone HOWard 2231.

The new INFLUCOL

RED FOR TREATMENT

For customers who already have colds, recommend INFLUCOL-**red** tablets. This concentrated oral vaccine treatment will mobilize resistance to fight and vanquish the germ—and so help to get rid of the cold.

YELLOW FOR IMMUNISATION

INFLUCOL-**yellow** contains specially processed vaccines which neutralize the poison of the Common Cold germ. With a high percentage of people INFLUCOL-**yellow** provides immunity from colds for 3 to 4 months

CHEMISTS FEDERATION

Bonus parcels. Special offer of 3 dozen lots at 13 to the dozen. Enquiries to:—

INFLUCOL
ORAL VACCINE REGD.

INFLUCOL LTD · KEMTHEUTIC HOUSE · BRADFORD

TELEPHONE: 28797 (10 lines)

For many pharmaceuticals . . .
Baby Powder
Bath Salts
NO-FEET
TALC Powder
FULLERS Earth
MONO
Containers
Salts, crystals, unguents and creams, and many patent foods — all depend upon freshness for consistent sales. Mono waxed paper cartons are hygienic, moisture-proof and preserve the contents in perfect condition. Available with tapered or cylindrical sides and screw or disc lids with printed designs that avoid labelling problems. Enquire for details and samples.
Vita
MASSAGE OINTMENT
Vecon
CONFECTION OF SENNA
EPSOM SALTS
ONO CONTAINERS LTD · CUMBERLAND AVENUE · PARK ROYAL · LONDON · N.W.10

"ZEMS"

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses.

ZEMS, LTD.

718-724 Seven Sisters Road, London, N.15

Sunglasses for the 1948 Season

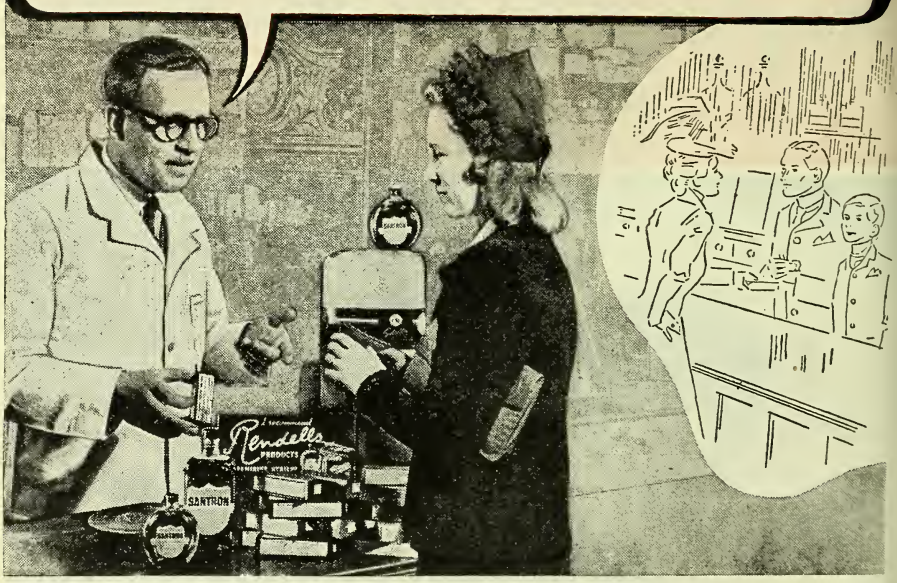
From your usual wholesaler

Wholesale enquiries to

ALFRED FRANKS & BARTLETT CO., LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.1.

It's a tradition with us



" Yes, Mrs. Dale, we have been established a very long time and ever since I can remember from my apprenticeship days here, we have always recommended Rendells. No, the transparent wrapping is not new. It was always a feature of Rendells packing before the war, and is just another indication the product is back to normal."

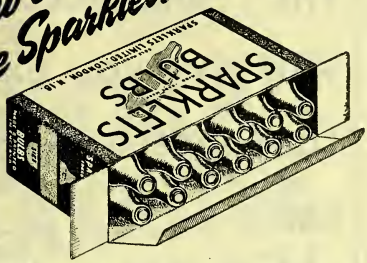
ON BOTH SIDES OF THE COUNTER THERE'S CONFIDENCE IN

Rendells

NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E. C. 1

How to sell more Sparklets Bulbs!



Offer your customers the **Sparklets Syphon Repair Service** . . . even the most dilapidated syphon can now be built as new provided the glass vase intact. It's not just a case of "make and mend"—*It's sound business.*

Write for showcard and list of repair charges

SPARKLETS
Sparklets Ltd. Service Dept.
EDMONTON, LONDON, N.18

RENOVATION AND REPAIR SERVICE

Wren's (PTY) LTD

MANUFACTURERS' REPRESENTATIVES AND WHOLESALE DISTRIBUTORS
P.O. BOX 1689 JOHANNESBURG
SOUTH AFRICA

Sole Distributors and Stockists for REVLON EXPORT Corp., NEW YORK, also VIV Pharmaceuticals Ltd., WINCHESTER, England, etc.

SEEK REPRESENTATION for non-competitive Agencies In TOILET, PATENTED and PROPRIETARY PREPARATIONS for the UNION of SOUTH AFRICA,
Northern & Southern Rhodesia, Portuguese East Africa, S.W. Africa and Nyassaland.

●

For all our Purchases cash payments in London

Display them

Side by Side

They sell separately and they sell together—let one help the other by displaying them side by side. Experience shows that when the new Super Absorbent Tampax No. 2 joins Regular Tampax No. 1, all-over sales of Tampax in that market increase by as much as 50%. That's business worth seeking.

TAMPAX

Sanitary Protection Worn Internally

REGULAR TAMPAX No. 1 Retail: 1/9d. per packet. Trade 15/9d. per dozen packets.

SUPER ABSORBENT TAMPAX No. 2. Retail: 2/- per packet. Trade: 18/- per doz. pkts.

TAMPAX LTD.
Sales Office:
110 Jermyn Street, London, S.W.1
Phone: Whitehall 8696/7

Where women see—they buy

"Comfort & Quality"

Dr White's

SANITARY TOWELS

TRADE MARK

ARTHUR BERTON LTD.
Surgical Dressings Manufacturers since 1850
256-60, Old Street, London, E.C.1.

THE "BALANCED 8"
will give you extra
toothpaste
sales

8

Odol

The TOOTHPASTE
with the "BALANCED 8"
Formula of 8 vital ingredients

CRANBUX LIMITED · NORWICH

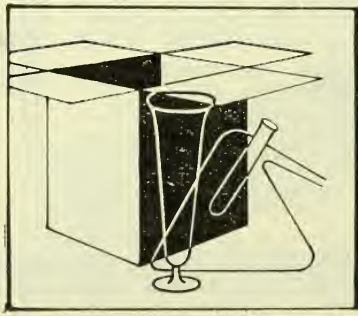
FOR
PHARMACY
& DISPENSARY
FITTINGS
CONTACT

S. I. MYERS

THE PHARMACY FITTINGS SPECIALIST

105 GREAT EASTERN STREET, E.C.2

CLErkenwell 5886



SPECIAL CONTAINERS

. . . FOR SPECIFIC PURPOSES

Consult the Specialists in Cartons and Display

J. DRING LTD

Sales Office: 34 HARLEY STREET, PORTSMOUTH

The Finest

CHOCOLATE LAXATIVE

YOU CAN SELL

GOOD AS ITS NAME IMPLIES

e to an Improved formula,
ring perfect keeping quali-
Safe and gentle in action.
ted with fine chocolate.

SIXES 3D.
FIFTEENS 7D

BETALAX CO., 25 HANOVER SQUARE, LONDON, W.1

You've got to hand it to your customers

-they **KNOW THAT THE EXTRA QUALITY OF HARROGATE HEALTH SALTS IS WORTH MUCH MORE THAN THE LITTLE MORE IT COSTS** (STANDARD TIN) **2/-** (FAMILY TIN) **3/9.**

WHAT ABOUT *You?*

ORDER FROM THE SOLE SELLING AGENTS

KORAY LTD.

Koray House, 25 Hanover Sq., London, W.1.

Manufactured by

The Harrogate Tablet Co. Ltd., Harrogate.

2/9 and 4/6
PER BOTTLE

Extensive advertising has created a b
customer demand for this grand Iron Toni
Cash in and get your fair share of this bi
profitable business.

NO LICENCE REQUIRED.

VIRONITA
IRON TONIC

VIRONITA IS FAST SELLING AND PROFITABLE

M. CALTHORPE & COMPANY LIMITED, Manufacturing Chemists, OSSET

V3/45/9

Cyclo

"CYCLOCHEM"
Trademark

LANETTE WAX SX.
GLYCERINE MONOSTEARATE
EM. 4/76
General Emulsifiers for
any type of O/W Emulsions

EM. 420
for thick, white haircreams

Ask for our 24-page Handbook
"Cyclochem Self-Emulsifying Waxes"

EM. 444
for Shampoo Cream Paste

CYCLO CHEMICALS LTD.
Wax Refiners and Chemical Manufacturers
MANFIELD HOUSE, STRAND, LONDON, W.C.2

WE MAKE
TOILET
PREPARATIONS
e.g. LAVINIA LIPSTICKS AND ROUGE
CRESTOLAN CREAM BRILLIANTINE
AND SOLID BRILLIANTINE.

WE ALSO MAKE
PHARMACEUTICAL
PREPARATIONS
e.g. CRESTOL ANTISEPTIC, OINTMENTS, INHALANT, ETC.

IF YOU ARE INTERESTED
AND OUR REPRESENTATIVE
HAS NOT YET CALLED—

Write for price list to:—
CREST LABORATORIES LTD.
Manufacturing Chemists
BURY NEW ROAD, SALFORD 7

Announcing . . .

—the B.D. Baume Dalet "Outfit"

The tremendous success of B.D. Baume Dalet in the relief of Bunions has brought a steady demand for a special treatment for particularly obstinate cases.

Hence the B.D. Baume Dalet Outfit. Containing 2½ times the quantity of B.D. Baume Dalet, six times the number of Perchalene sheets and two scientifically designed Toe Straightening Pads, it is remarkable value for 7/6 (including Purchase Tax).

Every chemist should keep a small stock of B.D. Baume Dalet Outfits for immediate supplies and replenish from his wholesaler.

From your usual wholesaler or direct from

SPLENDOR LABORATORIES

Sole Distributors for U.K.

7c, Lower Belgrave St., London, S.W.1, and at Nottingham.

SevenSeaS Aquarium

For the first time in the history of the Ideal Home Exhibition, Olympia, March 2nd — 25th, a comprehensive and lavish aquarium is staged on Stand 201, Ground Floor, Empire Hall. This is a feature that should appeal to all ages. Many fascinating forms of marine and fresh water life from the tropics to the poles are shown in natural surroundings.

The aquarium is sponsored by the makers of SevenSeaS Cod Liver Oil and shows how the sea-fresh oil is garnered from the teeming life of the Arctic and Sub-arctic seas.

Literature and full information on home and export markets can be obtained at the stand and we shall be very pleased to welcome you personally.

SEVENSEAS

PURE COD LIVER OIL

MARSHALL'S PROPRIETARIES LTD.

have Pleasure in Announcing Additional NEW ★ Products

★

LUMA CUBES

Luma Anti-Rheumatic Compound in handy form of 2 cube cartons 6½d. Display Outer 2 doz. carton 39/- per gross plus 13/- P.T.

"ALL FABRIC" WASHER ★

The NEWEST and BEST of all Fabric Washers. Very economical. Selling 10½d. 96/- per gross.

PETAL DUST

A Moth Preventer de-luxe. 44/- gross Display Outers 1 doz Retail at 6d.

LUMA ANTI-RHEUMATIC COMPOUND

A remarkable efficacious remedy for Rheumatic Conditions. Selling 4/-. 26/- per dozen plus 8/8 P.T. *Also in Small and Family size.*

MARSHALL'S★ NURSERY POWDER (MEDICATED)

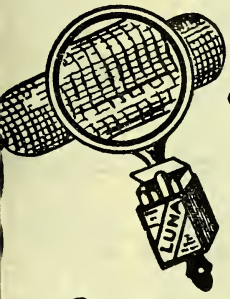
Packed in Sprinkler Tin. Selling 1/5½d. 114/- gross plus 38/- P.T.

MARSHALL'S PROPRIETARIES LTD.,
110, CANNON STREET, E.C.4

Sales!

MODERN THE TOWEL SANITARY

EVERY SECOND · MINUTE · HOUR
DAY · WEEK · MONTH · YEAR
EVERYWHERE



Mr Retailer Meet LUNA

ALL OVER THE WORLD 4702 MADE IN ENGLAND BUY 4702 PRODUCTS - IT PAYS

a Revolution in Feminine Hygiene

A WONDERFUL NEW TAMPON SPECIALLY DESIGNED FOR INTERNAL WEAR, SIMPLE IN USE YET COMPLETELY SAFE AND UNBELIEVABLY COMFORTABLE, A SOFT GAUZE SACHET SURROUNDING EACH INSERT ENSURES PERFECT ANATOMICAL FITTING AND ENABLES THE TAMPON TO BE REMOVED COMPLETELY WITHOUT THE SLIGHTEST RISK OF DISINTEGRATION

The Greatest Boon & Comfort

OBTAINABLE FROM ALL THE LEADING WHOLESALERS
LONDON. BIRMINGHAM. MANCHESTER. LIVERPOOL.
LEICESTER. LEEDS. BRISTOL. NEWCASTLE. GLASGOW.
EDINBURGH. BELFAST. DUBLIN. CORK. LIMERICK. ETC.

IF ANY DIFFICULTY IN OBTAINING NECESSARY SUPPLIES
MAIL US DIRECT. EXPORT QUOTA AVAILABLE

UNA INSERTS LTD. 24 HIGH STREET LONDON E1

A SPLENDOR PRODUCT

YOU OUGHT TO STOCK!

An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

4d., 7½d., 1/7 and 2/9 Incl. P. Tax

Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.
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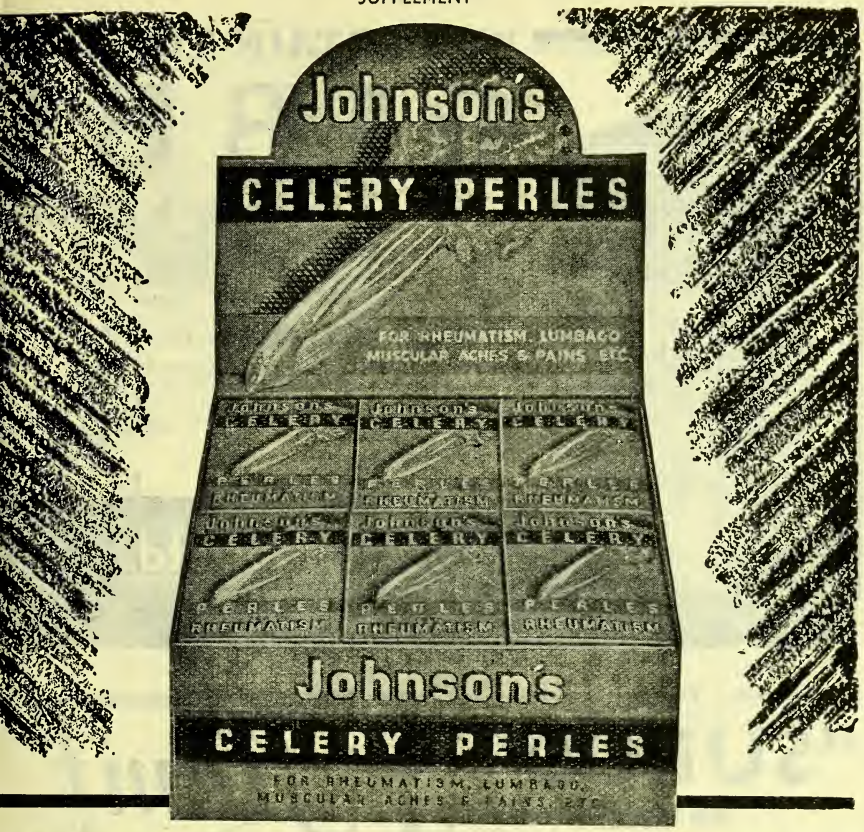

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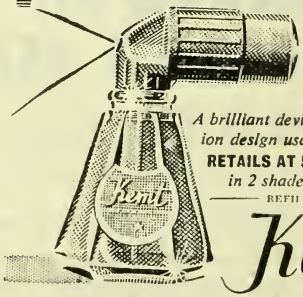

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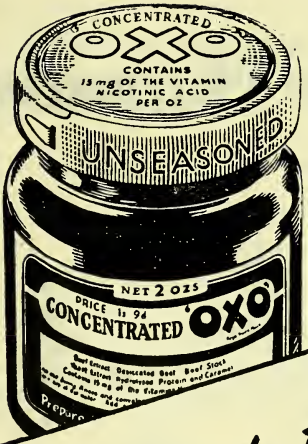

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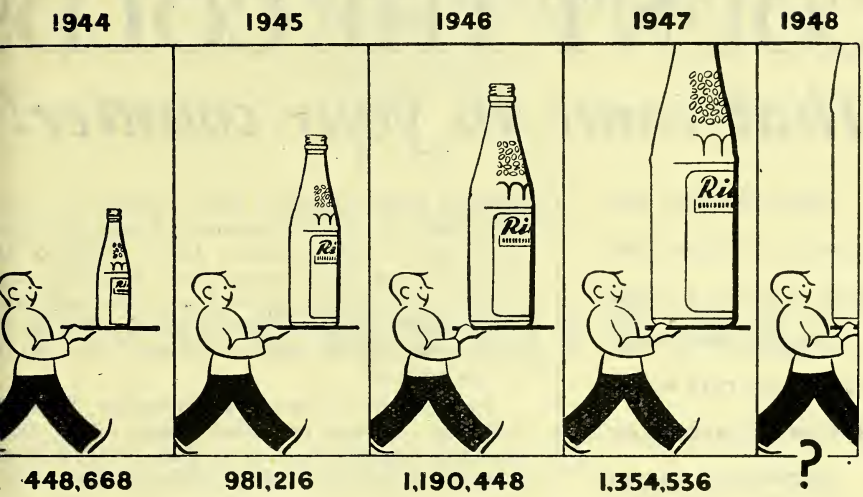

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EVERY PERSON WHO COMES INTO YOUR SHOP WITH A COLD, A COUGH OR A SORE THROAT SHOULD GO OUT WITH A CARTON OF MACAULAY'S BRONCHIAL TABLETS

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★ **Macaulay's Bronchial Tablets** ★

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MARCH 6
1948

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IMPERIAL CHEMICAL INDUSTRIES LTD., have senior vacancy for a pharmacist with literatu ability and experience in the compilation of liter ture and the provision of information relating medical and veterinary pharmaceutical product Applications with full particulars should be addresse to Imperial Chemical (Pharmaceuticals), Ltd., Sta and Establishment Section, "The Ridge," Beec field Rd., Alderley Edge, Manchester. This post excepted from the provisions of the Control of E gagement Order, 1947.

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REPRESENTATIVES OR AGENTS required for all areas with connections with retail and wholesale chemists to take up additional line. Good commission. Box 2/967.

S AGENTS wanted for polishes, cleansers, h, laundry aids, etc. Box 2/897.

S REPRESENTATIVES calling on chemists, hair-ers, stores, etc., in all areas of the British Isles, ired by well-established manufacturers and dis-tors of first-class toilet preparations and cos-cs. Apply, giving full particulars and experience. 2/896.

VING STICKS, shaving cream, toilets. Old-lished company require experienced live repre-tives in all parts of the United Kingdom. erence given to those with existing connec- with chemists and grocers. Remunerative rtunities for good men. Write Box 108, c/o ge Murray (Advertising), Ltd., 184 Strand, don. W.C.2.

NTED by manufacturing chemists, young phar-st, preferably with some knowledge of tablet ufacture. This is desirable, but not essential. 3/19.

NTED: Chemist to take charge package investi-n laboratory for non-food products. Aged 30-University degree, practical manufacturing ex-nce cosmetics, household requisites or similar ucts. £600 per annum. Quote reference RS. 2 ox 3/52.

RD, BLENKINSOPP & CO., LTD., require medi-representatives for (1) Glasgow and Edinburgh, (2) Hants, Sussex and Dorset. Applicants, pre-ly qualified, must have had prev ous represen-e experience in those areas. Full details to 6 rietta Pl., London, W.1.

LIAM RANSOM & SON, LTD., Hitchin, Herts, ire a foreman for their laboratory. Must be experienced in the manufacture of galenicals. ly by letter in the first instance stating previous rience, age and wages required.

RKS and production manager required by well-wn Manchester firm manufacturing pharmaceu-products. The position will be well paid and s a first-class opportunity of permanency and ncement. Technical requirements are an en-ering background, experience in multiple unit luction, packaging and factory management. rmaceutical and chemical experience not essen-Reply, giving full details in strict confidence, Managing Director, Box 3/36.

WHOLESALE (OVERSEAS)

ERIAL CHEMICAL INDUSTRIES, LTD., require ical propagandist for their pharmaceutical or-sation in South Africa and to reside there. lified pharmacist preferred but consideration will given to other candidates possessing suitable nical background and capable of discussing phar-eutical products with the medical and allied essions. This is a responsible and progressive tion carrying a substantial salary and pension. lications with full particulars should be addressed mperial Chemical (Pharmaceuticals), Ltd., Staff Establishment Section, "The Ridge," Beechfield d, Alderley Edge, Manchester. This post is pted from the provisions of the Control of En-ement Order, 1947.

SITUATIONS WANTED

for 18 words or less, 1d. for every additional word

RETAIL (HOME)

UNG, UNQUALIFIED, at present doing represen-ve work offers services in evening and week-s. Dispensing, window-dressing, accounts, stock-ng, etc., in return for unfurnished flat or house. l pay cash adjustment. London or near counties. 3/42.

WHOLESALE

ST-CLASS REPRESENTATIVE calling chemists, artmental stores, some wholesalers, excellent nection London and Middlesex, desires change firm of repute. Salary, commission, expenses. 3/11.

REPRESENTATIVE. Age 34, nr. Exeter, seeks representation of reliable house, pref. C.F. Long-established connection all chemists, druggists and wholesalers throughout Hants, C.I. and W. of England. Buyers known personally. Excellent sales record and references. Box 3/65.

REPRESENTATIVE, experienced medical propaganda, connection chemists and stores, London postal area, Middlesex, Herts, shortly making change. Box 3/35.

REPRESENTATIVE, calling chemists, hairdressers, Co-ops., Durham, N. and E. Yorks, live connection, wants change; well-known lines. Salary, commission and expense basis. Would consider commission, expenses only. Full details Box 2/945.

SALES MANAGER desires change of appointment. London area. Well-known to all buyers in the trade. First-class connection and excellent references. Box 2/991.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

FACTORY SPACE in the heart of the West End and staff available, from manufacturers with surplus machinery and packaging capacity, would be glad to hear from others seeking assistance with their production. Please reply to Box 3/39.

HOUSEHOLD DYES, known registered trade mark. Stocks of packing and raw materials. Simple formula; no machinery required. Offered for sale at attractive price. Box 2/641.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel. Reliance 3435.

APPOINTMENTS

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Pharmacy, County Hall, Maidstone.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (male). Hospital experience preferred. Salary £370 a year, rising by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addres es of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS.
Clerk of the County Council.

County Hall,
Maidstone.
13th February, 1948.

SOUTHEND-ON-SEA COUNTY BOROUGH COUNCIL

SOUTHEND MUNICIPAL HOSPITAL, ROCHFORD, ESSEX.

Locum Pharmacist required for six weeks holiday relief after 1st April. Dates to be arranged with successful applicant. Apply in writing to Medical Superintendent, Southend Municipal Hospital, Rochford, Essex, stating date or dates avaiiable. Salary £8 10s. per week, non-residential. All possible assistance will be given in finding suitable accommodation in the district, without obligation to the Hospital.

ARCHIBALD GLEN.
Town Clerk.

Municipal Buildings,
Southend-on-Sea,
21st February, 1948.

The Ministry of Health invites applications for five vacancies for Temporary Pharmacist with Headquarters in London. Vacancies are in two categories:

(1) Ph.C. or B.Pharm. qualifications are essential with a good all-round knowledge of the Drug Trade and wholesale, hospital or manufacturing experience. Knowledge of laboratory and analytical work or biochemical analysis an advantage.

(2) Ph.C. qualification preferable; and possessing retail and/or general pharmaceutical experience.

Appointments will be made in the Technical Assistant Grade II with salary of £490 to £610 inclusive for men and £415 to £475 inclusive for women.

Written applications, giving date of birth, full details of education, qualifications and experience, including dates, and copies of two testimonials should be addressed to London Appointments Office, 1-6 Tavistock Sq., London, W.C.1, quoting reference B.N.26. Closing date 15th March, 1948. Original references must not be forwarded.

AGENCIES

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CREATIVE BELFAST AGENTS invite agencies for Ulster and Eire. Box 2/608.

ESTABLISHED COMPANY with excellent showrooms in central Dublin and offering complete coverage of the 26 counties invite inquiries from manufacturers desirous of representation in Eire. Box 3/41.

WEE-KURA, LTD., Knaresborough, have district wholesale buying agencies open. Also agents selling to Co-ops., multiples, etc. Samples, including P. Tax, 5/-.

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

YOUNG gentleman, car owner, calling on chemists, hairdressers, requires additional good-class lines on good commission basis. Box 3/34.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

CATFORD. Drug Store, Sundries. Old-established, splendid main road position. Turnover £7,500 p.a. 21 years on lease, modern shop, office, 1 reception, 2 bedrooms. Scope for dispensing. Includes 2 lock-up shops, one vacant. Goodwill, fittings, £3,500, stock £1,500 approx. See below. THANET Coast. Wholesaler, hairdressing, chemists, toilet sundries. Covering East Kent. Turnover £70-£80 p.w. 2-storied premises, warehouse, office, showroom, yard. Freehold £1,350, goodwill, fittings, van, stock (£1,000 approx.) £1,400. See below. National Business Agency, Ltd., will be pleased to supply details of the above and many other propositions. Apply Head Office, 36 Eastcheap, London, E.C.3. Mansion House 2748.

EIRE. Old-established manufacturing and distributing chemists for sale. Central premises. 4,000 square feet of space, on main Dublin street. Rent £250. Goodwill, trademarks, machinery, fittings, and stock, all about £7,000. Genuine opportunity. Box 3/37.

FOR SALE. Established firm of wholesale distributors trading in Scotland, Northumberland, Durham and Yorkshire. Wide connection among general and hardware stores, Co-operative societies, chemists, grocers and bakers. Turnover in region of £100,000 per annum. Firm own warehouse and office premises in Glasgow. The reason for disposal is the illness of the managing director. Certified accounts available. Vendors would be prepared to leave interest in the business. Further particulars will be furnished in confidence to principals and agents disclosing principals by Graham & Co., Solicitors, 187A West George St., Glasgow. Please quote File 400.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

A QUANTITY of surplus cartons holding 1 doz and 3 dozen medical flat 6-oz. bottles are for disposal. New condition. For particulars write to B 140, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

FOR SALE. 2 cwt. black liquorice in 10 lb. b'oc at 3/- per lb. complete in cases unopened. Spinl the Chemists, 62 Beverley Rd., Hull.

MANUFACTURERS have for disposal 60 gross bra new cork mouth winchester bottles. Price to clea 152/- per gross, ex works. Box 3/44.

MEDICATED pine bath essence for sale at attracti prices to clear stocks. Inquiries to Box 137, c/ George Murray (Advertising), Ltd., 184 Stran London, W.C.2.

OFFERS WANTED for 10X45/50 gallon drums tec nical white oil. Pool 30. 10 ton sodium sesquica bonate. Ex London. Spot. Box 3/40.

OIL, pool grade 30, 7 drums for sale singly or t gether. 7s. gallon or near offer. Box 3/53.

SURPLUS for sale, 2 drums each almond, hazeln and refined teaseed oil. Box 3/50.

SURPLUS STOCK of 5 per cent. D.D.T. powder bulk for disposal. Fair offer accepted. Box 136, c/ George Murray (Advertising), Ltd., 184 Stran London, W.C.2.

WE CAN SUPPLY absorbent wool of Dutch man facture, packed in one pound rolls. Available one cwt lots only, at 2s. 7½d. per lb. for hospit and 3s. 2¾d. per lb. for best. Both prices subje to plus 10% duty charges. Edwards Surgical Su plies, 66 Mortimer St., London, W.1.

WE OFFER: Magnesium chloride for home trad and export. Potassium chlorate for export only. Bo 2/853.

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SACCHARIN TABLETS available for export only Write Box 2/911.

WANTED

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BOTTLES. 26-oz. and 13-oz. wine or champagn bottles required. Box 1/853.

LIQUORICE pellet-making plant required. Offers t Box 3/48.

STEARIC ACID, triple pressed, required in larg quantities. Box 147/850.

STEARIC ACID (triple pressed) wanted in large o small quantities, B.P. Glycerine available if re quired as part payment. Box 2/912.

WANTED. Large or small quantities, bottles, medi cine or tablet. Ointment tins, jars. Ex Governmen stocks, shop soiled drugs, dressings, bandages, requisites or anything useful. Condition immaterial Prompt cash. L. Horne, 98 West Bar, Sheffield, 3.

WANTED. Glyceryl-monostearate. Triple pressed stearic acid. Saccharin 550 powder. Vanillin. White petroleum jelly. Large and continuous supplies required. Immediate payment. Box 2/990.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/807.

NOTICE

MORNY LIMITED announce that their former Home Sales Manager, Mr. W. T. Pallister, is no longer in their employ, and that Mr. Geoffrey Carter has been appointed to this position.

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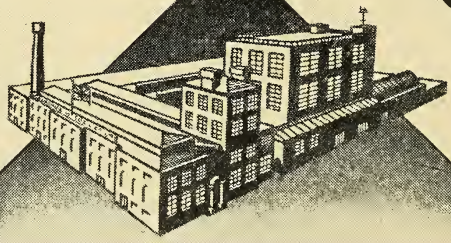

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